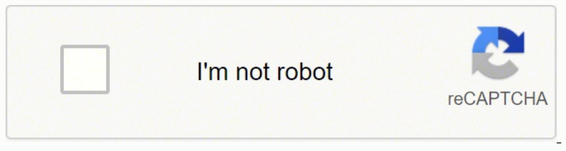
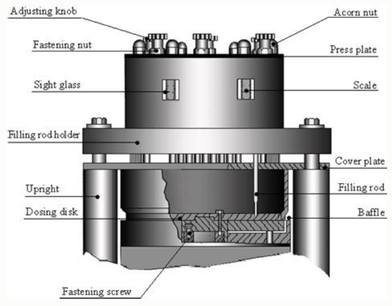
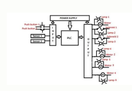


Next

Ampoule filling machine pdf





Quality..... 5. Check weight mechanism of the machine helps to maintain consistency in each batch. Automatic Tablet Coater is designed for the application of: Film Coating with organic solvent, Enteric Coating and aqueous coating Sugar Coating 42. The use of the following labeling instructions is recommended: On the label Means “Do not store over 30°C” from +2°C to +30°C “Do not store over 25°C” from +2°C to +25°C “Do not store over 15°C” from +2°C to +15°C “Do not store over 8°C” from +2°C to +8°C “Do not store below 8°C” from +8°C to +25°C “Protect from moisture” no more than 60% relative humidity in normal storage conditions; to be provided to the patient in a moisture- resistant container. Foil is generally used as a component of the backing lamination if barrier protection is a critical requirement; however, metallized polyester is replacing foil for some barrier applications. 3. Our operations are driven by best-in-class technology and processes, abiding by all major stringent regulatory approvals. Report On Industrial Visit For Partial Fulfillment Of The Requirement For The Award Of Degree Of Bachelor of Pharmacy For Dr. A.P.J. Abdul Kalam University Through Under the supervision of Miss. The shrink wrap concept has a diversity of uses in packaging, one of which is its use as an over wrap An L-shaped sealer seals the remainder of the over wrap and trims off the excess film . DRY-POWDER INJECTABLE SECTION (VIAL) -CAPACITY - 12 MILLION VIALS PER ANNUM. These products are manufactured in accordance with highest international standards in facilities as per norms of WHO-GMP & ISO 9000-2008. » To see Brooks as an Institution for ethical & respectable world class Pharmaceutical company. 6.1.3-Colored Glass—Light Protection: Glass containers for drugs are generally available in clear flint or amber color. 5. Various inner seal compositions may be used, but the structures most frequently encountered are glassine and foil laminations. C) GENERAL SECTION: In general section we have injectable both Dry and Liquid. Assuring quality from the root upwards… If there is one attribute to which we attach the utmost importance it is quality. However, the desire to reduce the time needed for the sugar coating process has led to the trend towards side-vented pans. Soft and Hard gelatincapsules The basic difference between the hard and soft gelatin encapsulation processes is that in the hard gelatin capsule process, the capsule is prefabricated and supplied empty, whereas in the soft gelatin capsule process the encapsulation and filling take place simultaneously. Sr.No Composition Pack Size Indication ANTI-PSYCHOTICS 1 Amoxapine 50mg, 100mg 10’s Endogenous depression 2 Buspirone HCl 5mg, 10mg 10’s Anxiety disorder 3 Carbamazepine 200mg, 400mg 10’s Epilepsy, Trigeminal Neuralgia 4 Chlorpromazine HCl 50mg, 100mg, 200mg, Trihexyphenidyl HCl 2mg. Research & Development (R&D) Helios’s focused towards developing new products, improving existing products as well as drug delivery systems and expanding product applications. This lid is sealed to the base layer by heat, pressure or both. It's a journey, which is a wonderful experience. . ND_RR240.pdf 5. 34. To achieve this, we follow a four-step process: Adopt Quality by Design (QbD) approach in Manufacturing and clearly identify sources of variability and minimize them on an ongoing basis. The following package configuration have been identified by the FDA as examples of packaging systems that are capable of meeting the requirements of tamper-resistant packaging as defined by FDA regulation 1.Film wrappers 2. 10. · Package should assist in patient compliance. DRY-POWDER INJECTABLE SECTION CAPACITY - 12 Million Vials per Annum. 43. We tap every possible lead and source to add to our human capital. Improve efficiency. A strip package is formed by feeding two webs of a heat-sealable flexible film through either a heated crimping roller or a heated reciprocating plate. Packaging must also function as a means of drug administrations. Storage areas should be designed or adapted to ensure good storage conditions. LIQUID INJECTABLE SECTION (VIALS) - CAPACITY - 5 MILLION VIALS PER ANNUM. Geneva, World Health Organization, 2002 (unpublished document QAS/01.014; available on request from Essential Drugs and Medicines Policy, World Health Organization, 1211 Geneva 27, Switzerland). Advantages: • Economical • Readily available container of variety of sizes and shapes • Impermeability • Strength and rigidity • Has FDA clearance • Does not deteriorate with age • Easy to clean • Effective closure and resolves are applicable. However, they may be adapted to meet individual needs where necessary, provided that the desired standards of quality are still achieved. It is also borne in mind that this best quality is provided at affordable costs to our valued customers… giving them products which adhere to the specifications and also meet the aspirations of the society. 24. With almost 5-6% of the company turnover being invested towards R&D each year, our strategy focuses on: Developing new drug formulations for existing and newer drug substances Improving processes for existing API and formulation products Developing new drug delivery systems for existing and newer active drug substances, as well as newer medical devices, mainly in the area of respiratory medicine Tie-ups with independent research teams to develop new products Strengthening our intellectual property, including the patenting of new products, drug delivery systems and medical devices, mainly in the area of respiratory medicine. Bubble pack 5. So process materials (product) are coated due to rotating pan. Some of them are: • Type B straight –stem • Type C funnel –tip • Type D closed 6.1.6.Bottles, vials and syringes: These are more or less thick walled containers with closures of glass or of material other than glass such as plastic materials or elastomers. Each site has well trained personnel for quality control along with a regulatory affairs department ensuring strict adherence to quality systems and procedures. T he risk is greatest with cellulosic substance and if the use of such materials is unavoidable, the attack may be minimized by impregnation4. Prof.), Miss Jyoti Srivastava (Asst. The tube holders are fitted on the circular turret which intermittently takes the tube to all the stations. The center is supported by high-tech instruments like HPLC, UV-spectrophotometer, stability chambers, Lyophilizes, osmolality meter and GC etc. – It bears appropriate label(s) providing content and usage information. Film coating techniques reduce process times, offer greater control over coating parameters and provide more opportunity for innovation. Student’s Signature Date: 4. The contents may be removed in several proportions on one of or more occasion. Pack Types Multidose/Reclosables Unit Dose/Non-reclosables Bulk Bottles Aerosol packs Tubes Ampoules Blister packs Prefilled syringes Vials Sachets Form/Blow-Fill-Seal (FFS, BFS) - various pack formats Bottles Drums/Kegs Sacks/Bags 20. Storage and labeling conditions Normal storage conditions Storage in dry, well-ventilated premises at temperatures of 15–25°C or, depending on climatic conditions, up to 30°C. We believe that we all together can drive pharma machinery market to next generation So "LETS MAKE IT" 55. This is generally accomplished by heat-softening the plastic film and vacuum-drawing a pocket into the film in a manner similar to the formation of a blister in a blister package. For decorative purposes, special colors such as blue, emerald green, and opal may be obtained from the glass manufacturer. Quality is considered paramount at all locations where we conduct regulated research, development, manufacture, testing and distribution of pharmaceutical products. We are currently manufacturing for drug majors Dr Reddys, Sandoz, Nicholas Piramal, Cipla, Alembic, Glenmark, Unichem, and Cadila among others. Labeling and containers All materials and pharmaceutical products should be stored in containers which do not adversely affect the quality of the materials or products concerned, and which offer adequate protection from external influences. They are more rigid than strip packages and are not used for powders or semi-solids.. 4. During the rotation motion, coating material is sprayed by spraying system according to the technological process and rational technological process. Career..... Pellegrino Coating Pan Machine Capsule Manufacturing Process In pharmaceutical industry, there are various pharma company manufactures types of machineries for the different process and application as per there specialty. 12. We correlate their theory with practical application in pharm manufacturing field. This team is working in development of latest broad spectrum antibiotics and other latest molecules Regular Research & Development, stability analysis, impurity isolation and characterization of molecules is carried out on regular basis. The most common cations found in pharmaceutical glassware are silicon, aluminum, boron, sodium, potassium, calcium, magnesium, zinc, and barium. Quality Assurance • In process quality checking in manufacturing • Validation of facilities, equipment’s, process, Products and cleaning • Complaint handling • Storage of quality records and control Samples • Stability studies 37. They have been successful in providing affordable medicine in the highly competitive generic market. Sealed tubes 11.Aerosol containers 12. Multi-dose containers hold a quantity of the material that will be used as two or more doses. Contract Manufacturing Ointment Section / Cream Section Ointment Section required to handle various formulations for e.g. transdermal drug delivery system in the form of gel and other external preparations. Date : Prof. Tube Filling Process: The empty tubes are first loaded in the cassette, which then travels through the guides to be held in the feeder by vacuum. The finished product is transferred to storage vessels by means of the bump pump. The tube is then fed into the tube holder by the feeder. Needless to say, Brooks Laboratories LtdGroup is an equal opportunity employer. This transfer takes place through filters and pipelines due to the vacuum created within the main vessel with the aid of a pump. The product: The physical and chemical characteristics of the drug entity, the excipients, the formulation, route of deterioration of the product, type of patient (baby, child, teenager, adult, elderly, infants etc) must be considered while dealing with the pharmaceutical product. It is a high efficiency, energy saving, safe and clean equipment for film and sugar coating of tablets, Pills and candies with organic film, aqueous coating and sugar film etc. Packaging should therefore be deigned to be easily handled and to permit space-saving storage and stowage. For high-barrier applications, a paper/polyethylene/foil/polyethylene lamination is commonly used. We insist that our business partners comply with national and international regulatory and business standards which are in alignment with those of our own. Finishing operations take place in clean rooms equipped with clean air supply, air curtains and dust handling/collection systems. The main functions of the primary package are to contain and to restrict any chemical, climatic or biological or occasionally mechanical hazards that may cause or lead to product deterioration. – A pack component with no product contact but may add protection to that provided by – The sum of packaging components that together contain and protect the dosage form. We are committed to being an employer of choice; offering the best performers a career path beating the normal line of the industry. PHOTO 5.2: END FOLDED WRAPPER 5.3.2-Shrink Wrapper: Film over wrapping can also be accomplished with the use of a shrink wrapper .The shrink wrap concept involves the packaging of a product in a thermoplastic film that been stretched and oriented during its manufacture and that has the property of reverting back to its un-stretched dimension once the molecular structure is "unfrozen " by the application of heat. Manufacturing Helios leverages state-of-art manufacturing facilities at Baddi, conforming to WHO-GMP standards, to ensure quality products at all times. WHO Expert Committee on Specie fi captions for Pharmaceutical Preparations. PHOTO 5.4: STRIP PACKAGING MACHINE 5.3.5- Bubble Pack: The bubble pack can be made in several ways but is usually formed by sandwiching the product between a thermoformable, extensible, or heat-shrinkable plastic film and a rigid backing material. Product Quality Over the years we have endeavored to set the standards for providing the highest quality products through the utilization of state of the art production techniques with an ultimate focus of satisfying the requirements and need of our customers. Loading and transport functions: Packaging has a crucial impact on the efficiency of transport, handling and storage of goods. 6.1.1-Composition of Glass: Glass is composed principally of silica with varying amount of metal oxides, soda-ash, limestone, and cullet. 1.1.2-For solid dosage forms: Tamper – evident containers are closed containers fitted with a device that irreversibly indicates if the container has been opened. · Package should preferably have an aesthetically acceptable design. The contents are withdrawn after rupture of the glass, or a single occasion only. Thrust on improving healthcare delivery as well as pharmaceuticals manufacturing infrastructure by many states government . 2. Career Working with HELIOS PHARMACUETICALS is not a job. Ex-Date Purpose 21-Sep-2015 : ANNUAL GENERAL MEETING 31-Jul-2014 : ANNUAL GENERAL MEETING 29-Aug-2013 : ANNUAL GENERAL MEETING 14-Sep-2012 : ANNUAL GENERAL MEETING - Updates Sep 15, 2015,15:47 - Updates May 30, 2015,10:47 - Resignation of Company Secretary/ComplianceOfficer May 29, 2015,18:33 - Code of Conduct under SEBI(PIT) Reg., 2015 May 20, 2015,18:10 - TradingWindow May 19, 2015, 17:11 26. OUTPUT Model - A 40 40,000 capsules per hour for powder & 30,000 capsules per hour for pellets. Special scrappers are provided for transfer of the complete product and to avoid wastage. We establish uniform standards for all products, regardless of geography. Manufacturing facilities: The stability of the manufacturing facilities should be considered due to new package, increased sale, improvements in Good Manufacturing Practice, revised product, new product etc. Manufacturing Brooks manufactures standardized herbal ingredients for many countries around the world. Jyoti Srivastava (Asst. 6.1.2-Manufacture of Glass: Four basic processes are used in the production of glass: blowing, drawing, pressing, and casting. Optional Pellets filling station, Dozing format for pellet station. Jacketted bowls available for heating or cooling of products during mixing. The break system OPC(one –point cut) or the color break ring offer consistent breaking force. Mr. Manoj Kumar Prajapati , Mr. Alok giri, Miss Jyoti Srivastava. 16. With the support of our distinguished clientele we have made a mark as one of the leading contract manufacturing facilities in the country. The package is made of two layers of film or laminate material. 5)Packaging materials used in different formulations: 5.1-Paper and board: The use of paperboard materials (cellulose fiber) remains a significant part of pharmaceutical packaging in spite of the facts that paper is rarely used on its own for a primary package. 8. *: 1455.64(Cr) Impact Cost:0.09 as on Oct- 2015 52 weekhigh/low price : 453.30/271.02 Ex-Date Purpose 06-Oct-2015 : FACE VALUESPLIT (SUB-DIVISION) - FROMRS 5/- PER SHARE TO RE 1/- PER SHARE 30-Jul-2015 : ANNUALGENERAL MEETING/DIVIDEND - RS 12/- PER SHARE 17-Jul-2014 : ANNUALGENERAL MEETING / DIVIDEND- RS 9/- PER SHARE 19-Sep-2013 : ANNUALGENERAL MEETING 11-Jun-2013 : INTERIMDIVIDEND RS 7.50/- PER EQUITY SHARE - PressRelease Oct23, 2015, 08:19 - TradingWindow Oct 06, 2015, 14:24 - RecordDate Sep 23, 2015, 13:43 - Disclosure of VotingPattern - Clause 35A Aug 14, 2015, 09:56 - Stocksplit Aug 12, 2015, 14:41 57. Bottle seals 8.Tape seals 9. About Company Brooks Laboratories Ltd. Market Tracker..... HELIOS PHARMACUTICALS 1. Be right the first time. It conforms to revised Schedule M and W.H.O. GMP standards and the facility can be upgraded to US FDA norms in the future. 7. Sealing is done either by laser sealing system or conventional gas flame. are also implemented. LIQUID INJECTABLE SECTION (AMPOULES) - CAPACITY - 12 MILLION VIALS PER ANNUM. Introduction..... 2. Storage areas should be of sufficient capacity to allow the orderly storage of the various categories of materials and products, namely starting and packaging materials, intermediates, bulk and finished products, products in quarantine, and released, rejected, returned or recalled products. 5.3.7-- Foil, Paper, or Plastic Pouches: The flexible pouch is a packaging concept capable of providing not only a package that is tamper-resistant, but also, by the proper selection of material, a package with a high degree of environmental protection. You have helped me in all possible ways to make this industrial visit report a reality. The shape, size and color are all visual characteristics reflected by the core and the coating such as sugar coat, film coat. Every aspect of manufacturing is performed in accordance with current Good Manufacturing Practices (cGMP) guidelines by experienced and trained personnel and is validated by Standard Operating Procedures (SOPs). QC, as a Centre of excellence, ensures compliance and follows systematic interventions like streamlining SOPs around critical quality parameters, bullet-proofing complex procedures and targeted capacity building. » To establish world class Research & Development infrastructure for new products & Drug delivery systems. It is provided with fully automatic lami tube filling line inbuilt with tube cleaning, filling, sealing and embossing stations integrated with online carbonator, online batch coding and check weighing system. ContractManufacturing: Our focus on delivering quality products and customer service has attracted several notable Pharma giants for whom we are doing contract manufacturing. Work-life balance is our winning formula, ensuring effectiveness across all spheres of life. Disadvantages: • Fragility • Heavy weight 53. Good trade and distribution practice (GTDP) of pharmaceutical s startingmaterials . This facility is having well garnished & well maintained lawns and greenery to add to the healthy eco-system of Himachal Pradesh. N.K MANNA _____ Director Internal examiner External examiner 3. The product is to be filled inside the pan. The entire approach here is based on quality. Quality Quality has always been at the epicenter of the growth of an industry and the success of a company in a competitive world. Such as Pharma machines for Tablet filling, Machines for Tablet Counting, Machines for Tablet Pressing, and Machines for Tablet Labeling etc. The final extracts are then spray dried or vacuum dried. Storage And Packaging Packaging 1) Introduction: Packaging can be defined as an economical means of providing presentation, protection, identification information, containment, convenience and compliance for a product during storage, carriage, display and until the product is consumed. The packaging external to the primary package is known as the secondary packaging. whether it be to improve the life of the human being, extending the benefits to the members of the organisation or to the society at large, we believe in imparting the best possible. Product bowl mounted on castor wheels for easy portability, washing & transporting mixed materials. Film wrapping can be accomplished in several ways and varies in configuration with packaging equipment. PHOTO 5.1: FILM WRAPPER MACHINE 50. After aging in stainless steel receiving tanks, the gelatin solution is transferred to stainless steel feed tanks. A challenging and enjoyable work environment is provided which will help you take a leap in your professional, technical and personal growth. To maintain quality standards, every plant has well defined procedures and systems in place in compliance with the requirements of the Current Good Manufacturing Practices (cGMP), WHO, PIC’s and EU GMP in order to ensure that our operating procedures meet the very exacting standards of regulators like the US FDA, EMA, HC, WHO and TGA, among others. Defined storage instructions Drug products that must be stored under defined conditions require appropriate storage instructions. 3.4- Biological properties: The material of the container must be able to withstand attack by insects if this hazard is likely to be encountered. 6.1.4-Glass for Drugs: The USP and NF describe the various types of glass and provide the powdered glass and water attack tests for evaluating the chemical resistance of glass. *: 40.7(Cr) Impact Cost: 1.21 as on Oct-2015 52 weekhigh/low price : 106.80/36.05 * Free-float market capitalization as on the previous tradingday. Transfer from storage vessel to the filling hoppers is achieved by means of reciprocating metering pumps at the required rate. of Brooks is professionally managed. Capsule fillers are used to fill hard gelatin and non gelatin capsules with pre determined quantity of liquids, powders, pellets, tablets. Entire Dept. This can occur with certain combination of dissimilar materials. We have focused ourselves in developing a world class team to develop new molecules in injectable and clavulanic acid based products supported by Sophisticated Infrastructure for Research & Development. Thus, our passion for quality goes beyond business and statutory requirements. Blister packages are composed of a base layer, with cavities called blisters which contain the pharmaceutical product, and a lid. No. Name of the drugs/items Strength 1 Hydrocortisone Sodium Succinate Injection 100 mg 2 Methylprednisolone Injection 40 mg 3 Methylprednisolone Injection 500 mg GENERAL INJECTABLE (LIQUID) S. If the container is to be opened on more than one occasion it must remain airtight after re closure. Today, Helios Pharmaceutical’s i is a midsized company, but it's you who will be helping it grow by leaps and bounds. The packaging is thus intended to protect the goods from loss, damage and theft. Storage conditions for pharmaceutical products and materials should be in compliance with the labelling, which is based on the results of stability testing (see Appendix). 5.2- Rubber based components: Rubber components may be made from either natural or synthetic sources. We believe that our people are our most valuable assets for us. References 1. Helios is a fully integrated, global healthcare provider, with strengths all along the pharmaceutical value chain. In this type of glass a substantial part of the alkali and earth cations are replaced by boron and/or aluminum and zinc. Child Resistant Containers, commonly referred to as CRC's, are designed to prevent the child accessing the potentially hazardous product.2 1.1.3-Containers for semi solid and pressurized products: Semi solid dosage forms like ointments, creams etc are packed in metallic collapsible tubes. Jyoti Srivastava 79 (Asst. Pharmaceutical ampoules are most commonly used to contain pharmaceutical hypodermic solutions. ResourcesandInfrastructure Advanced, sophisticated machineries and instruments State-of-the-art manufacturing facilities and laboratories Competent corporate team to support and focus on key functions Comprehensive quality policies and procedures Competent, enthusiastic and dedicated staff Continual monitoring by dedicated quality assurance and self-inspection team Controlled computerized systems Quality Control o Actual manufacturing process o Written definition or policy o Reporting pathways o Authority o Product standards 35. B) CEPHALOSPORINS: In cephalosporin’s section we have dry injectable powder facility. Documentation such as SOPs, calibration and validation records are maintained assiduously and all documented procedures are strictly followed at all levels. The surface must be capable of clear labeling, often difficult, for example, with plastics. Contact for Complete range of Tabletting Pharmaceutical machineries such as Rotary Tableting Machine, Granulator, Blister Packing Machine, Drying Oven, Coating Machine, Multi Mill, Mass Mixer, Capsule Filling Machine, Sieving, Grading & Straining, Rotary Piston Filling & Sealing Machine etc. Marketing Helios Pharmaceuticals is a division of PKTP Pvt.Ltd. Growth in opportunities for medical tourism Low-cost production and R&D Highly skilled workforce with significant expertise in chemical synthesis World-class facilities at national laboratories specializing in process and cost-effective technology development Increasing international trade in the pharmaceuticals sector Cost-effective source for generic drugs, especially, for those going off patent A separate QA team handles all in-process quality controls. Capsule quality is monitored throughout the production process including size, moisture content, single wall thickness, and color. MARKET PREPARTION PRODUCTS We have wide range of products catering to critical care segment in Parental Section like Beta Lactam, Cephalosporin & General dry powder Injectable, Ampoules and Liquid vials. The packing should not support mould growth. Prof.) 2. 5.3.8- Bottle Seals: A bottle may be made tamper-resister by bonding an inner seal to the rim of the bottle in such a way that access to the product can only be attained by irreparably destroying the seal. The capacities are as under: We have a well-equipped Quality Control / Quality Assurance department with sophisticated analytical instruments. 47. It is the totality of the arrangements made with the object of ensuring that pharmaceutical products are of the quality required for their intended use. Natural rubber has got good resealing (multi-dose injection), fragmentation and coring(description for the means by which particles are created when a needle is passed through a rubber) 5.3-Tamper resistant packaging: The requirement for tamper –resistant packaging is now one of the major consideration in the development of packaging for pharmaceutical products As defined by the FDA "a tamper –resistant package is one having an indicator or barrier to entry which, if breached or trussing ,can reasonably be expected to provide visible evidence to consumers that tampering has occurred tamper –container /carton systems or any combination thereof intended to provide a visual indication of package integrity when handled in a reasonable manner during manufacture ,distribution ,and retail display ". Rather, it is the result of a well-conceived, rigorously implemented Quality Monitoring System (QMS). HELIOS PHARMACUETICALS About Us HELIOS, is one of the well-reputed manufacturer and marketer of Ethical & Generic pharmaceutical products and also a leading contract manufacturer. BETA LACTUM S. Prof.) By PRAVEEN KUMAR SINGH (Roll no. We remain committed to the highest levels of quality and will ensure that all our facilities, offices and legal entities continue to meet the exemplary standards that are expected of a global pharmaceutical company. 3 Doripenem Injection 250 mg/500 mg 18. Brooks Laboratories LtdDivision believes in the spirit of "growing together". Breakable caps 10. Date: (Praveen Kumar Singh) Place: Varanasi 5. ACKNOWLEDGEMENT As I begin to reflect onto the magnitude of this project, I am reminded of the kindness, support and affection offered to me by people to whom I am overwhelmed. Ointment Manufacturing Plant: Operations All waxes and oils are dissolved in the wax phase vessel separately All aqueous phase materials are added in the water phase vessel and processed separately Both phase vessels are jacketed and are provided with motor driven propeller type of agitators which facilitate thorough mixing Once the phases are ready, they are transferred to the main Ointment manufacturing vessel by opening respective valves. 6.1.4.2-Type II—Treated Soda-Lime Glass: When glassware is stored for several months, especially in a damp atmosphere or with extreme temperature variations, the wetting of the surface by condensed moisture (condensation) results in salts being dissolved out of the glass. Stock rotation and control Periodic stock reconciliation should be performed by comparing the actual and recorded stocks. Cartons are used for a high 49. Our commitment to implementing a robust global quality management system is based on our determination to sustain a culture of operational excellence, meeting and exceeding the expectations of all stakeholders, including patients, customers and regulators. 6.1.5-Ampoules: Ampoules are thin-walled glass containers, which after filling, are sealed by either tip sealing or pull sealing. PHOTO 5.6: SHRINK TUBING 5.3.6- Shrink Banding: The shrink band concept makes use of the heat-shrinking characteristics of a stretch-oriented polymer, usually PVC. Capsules are sorted and visually inspected. Receipt of incoming materials and pharmaceuticalproducts On receipt, each incoming delivery should be checked against the relevant purchase order and each container physically verified, e.g. by the label description, batch number, type of material or pharmaceutical product and quantity. Packaging also serves as a mean to identify the manufacturer of the product. No. Name of the drugs/items Strength 1 Amoxicillin& Potassium Clavulanate Tablets 228.5 mg /375 mg /625 mg / 1 gm. – Combination of primary and secondary packaging, whether or not the latter has any overt stability maintenance function. DECLARATION I hereby declare that this report entitled “Project report on Industrial Visit” is a work carried out by me under the guidance of Assistant Professor, Miss Jyoti Srivastava Kashi Institute of Pharmacy, Mirzamurad, Varanasi. This is called "blooming" or "weathering," and in its early stages, it gives the appearance of fine crystals on the glass. We look the people who are result oriented and take ownership for the work, Commitment focusing on Learning, Delivering and Growing and ensure speed in action to have timely results. In the Automatic section, capsule halves are individually stripped from the Pins. “Protect from light” to be provided to the patient in a light-resistant container. Self-reliance displayed by the production of 70% of bulk drugs required and almost the entire Formulations requirement within the country. Our unwavering commitment to quality goes beyond ourselves. The cap and body lengths are precisely trimmed to a ±0.15 mm tolerance. 1. 2.1-Function of packaging: The various functions of packaging are: · Protective function · Storage function · Loading & Transport functions · Identification 48. We have our own

manufacturing facility that boasts an annual herb extraction capacity of 1500 tons and is a certified 100% Export Oriented Unit (EOU). The nature and level of protection which is required by the contained product will affect the composition of these layers. Process development is done in best possible ways. 58. 23. : 16186422(shares) ason 30- Oct-2015 Free Float Market Cap. CEPHALOSPORINS S. This packaging mode has been used extensively for pharmaceutical packaging for several good reasons. It is more chemically inert than the soda-lime glass, which contains either none or an insignificant amount of these cations. In the capsule manufacturing process first gelatin and hot demineralized water are mixed under vacuum in Gelatin Melting System. HELIOS operates with an organizational network of skilled field personnel with the backing of an excellent marketing team. Packaging must provide protection against climatic conditions biological, physical and chemical hazards and must be economical. Typical care is needed during transport, storage and also at the time of usage by the consumer especially in case of glass containers. Working Principle: The tablet to be coated make continuous complicated orbital motion the closed rotating Drum under the action of a streamline of Baffles. Prof.), Kashi Institute of Pharmacy, to whom I remain indebted ever for his moral support, guidance, encouragement and trust, which were generously bestowed upon me. 6's RTI, Skin & Soft tissue infection, Urogenital infections 8 Bisacodyl 5 mg 10's Constipation, Evacuation 9 Bromocriptine 1.25 mg & 2.50 mg 10's Hyperprolactinaemeia,Parkinsonism 10 Calcium Carbonate 1250 mg (Oyster Shell, Elemental Calcium 500 mg), Vitamin D3 250 I.U. 15's Calcium supplement in Osteoporosis, Osteomalacia 11 Calcium Citrate 1000 mg, Magnesium 100 mg, Zinc 4 mg, Vitamin D3 200 i.u. 10's Osteoporosis, Calcium and Vitamin D deficiency 12 Calcium Citrate 1000mg, Vitamin D3 200 IU 10's Calcium supplement 13 Calcium Citrate 1200 mg + Calcitriol 0.25 mcg 10's Calcium supplement 14 Calcium Citrate 200 mg, Magnesium Hydroxide 50 mg, Zinc Sulfate Monohydrate 4 mg., Vitamin D3 200 I.U. 10's Calcium supplement 45. Quality System with Traceable Documentation Approved Materials Approved Manufacturing Instructions Controlled Environment Controlled Materials Handling, Storage, Segregation, Packaging & Labelling Material, Intermediate & Finished Products Testing Internal Audits & Reviews Validated Test Method Validated Manufacturing Processes Validated Equipment Approved Manufacturing Facilities Trained Personnel GOOD MANUFACTURING PRACTICE Good Manufacturing Practice 36. Our dream is to transform Helios into a front-runner in the pharmaceutical sphere and achieve an unparalleled growth. "Offering the BEST" is embedded in our philosophy. 6.1.4.1-Type I—Borosilicate Glass: Borosilicate Glass is a highly resistant glass. The container must be able to withstand heat if the processing includes sterilization. Brooks is now expanding its business into the International markets of Africa, Middle East & Latin America. Light – resistant container protect the contents from the effect of radiation at a wave length between 290nm and 150nm. Airtight containers are impermeable to solids, liquids and gases during normal storage and use. The different activities of the Group Companies include manufacturing of Bidies and Food Spices with a group turnover exceeding 6000 Million Indian Rupees. 6. 4.-Packaging components: The materials selected should have the following characteristics. Undertake "risk-based" approach to manufacturing and mitigate risks wherever they are likely to impact quality. 14. The inward protective function is intended to ensure full retention of the utility value of the packaged goods. Tablet coating machine Application & Process: The Bhagwati's advanced high efficiency automated tablet coating machine is mainly used in pharmaceutical and food industries. The product is dropped into the pocket formed prior to forming the final set of seals. The folded areas are sealed by pressing against a heated bar. 56. Plastic containers are also used for the packaging of creams. In addition, the manufacturing plants are audited by an autonomous Corporate Compliance Department with a view to ensuring 24 x 7 compliance and conformance. Planetary Mixer Planetary Mixer is used in various applications such as Ointments, Pharmaceutical Creams, Cosmetic Creams, Ceramics, Ink Pastes, Colour Pigments, Rubber, Compounds etc. : 1023742600(shares) as on 30- Oct-2015 Free Float Market Cap. 10's Depression, Stress disorder, Panic disorder 6 Clonazepam 0.25mg, 0.5mg, 1mg, 2mg 10's Infantile seizures, myoclonic epilepsy 7 Clozapine 25mg, 50mg, 100mg 10's Schizophrenia 8 Divalproex Sodium Eq to Valproic Acid 250mg, 500mg 10's Absence Seizures, Migraine, Manias 9 Dothiepin HCl 25mg, 50mg, 75mg 10's Depression, Anxiety state 10 Duloxetine 20mg, 30mg 10's Major Depression Disorder 46. REPORT CONCLUSION The Primary goal of this report is to visiting a company gives a practical exposure to current work practices to strengthen theoretical knowledge being taught at college. 54. Quality…… Strip packages have at least one sealed pocket of material with each pocket containing a single dose of the product. And it is this immovable belief in manufacturing quality products that has brought us success over the years and given us a competitive advantage over other nutraceutical providers. In-house R&D forms the backbone of our operations. Quality Helios's, Quality Control (QC) team ensures the delivery of high standard products by conducting step by step review. Intimate and homogeneous mixing of products is employed by planetary motion of beaters and centrally located homogeniser. Putting patients first is our motto. The market: The channel of sale should be considered, i.e. where, when, how and by whom it is to be used or administered (e.g. doctor, dentist, nurse, patients etc), whether for home trade and/ or export. 30. Blister package 3. 79 during the period of her study in B.Pharma, course under my supervision and guidance in the academic year 2015-16 in the Seventh semester of Fourth Year. Through several training and development programs, we continuously invest in our people to bring the best out of them. PACKAGING: Bottles BOTTLE - type III (solids) - type I (for inhaled solutions) - low density polyethylene LDPE - high density polyethylene HDPE - polypropylene PP - polyester PET, PETG - Cyclo-olefin copolymer (COC PACKAGING: Closures o Plastic wadless or lined, CR (child resistant), CT (continuous thread), snap fit o Metal - screw, ROPP o Liner – cork, pulp board, EPE »product contact materials/facings : PVDC, Saran, Saranex, EPE, Vinyl, Foamed PVC o Induction heat seals 21. The life of the patient may depend upon rapid and correct identification in emergencies. We have C&A agents in strategic locations in all major States to support our distribution network with a view to ensure maximum coverage. Dimensions : 119mm X 126 mm X 223 mm Weight : 1800 Kg. Ampoule Filling Machine Ampoule filling machines are completely cover the product in the inert glass and do not have a rubber stopper or any other material in direct contact with the drug. The secondary packaging mainly provides the additional physical protection necessary to endure the safe warehousing and for refill packaging. Consistency is rarely an accident. During this visit we had visited Formulation Production section, Quality Control and Packaging section. Who guided and explained them about processing of pharmaceutical products at various stages of visit to pharm plant. No. Name of the drugs/items Strength 1 Aciclovir Intravenous Infusion 250 mg / 500 mg 2 Artesunate Injection 60 mg / 120 mg 3 Chloramphenicol Sodium Succinate Injection 1g 4 Pantoprazole Sodium for Injection 40 mg 17. Our human resource development strategies consistently focus on improvement of professional and interpersonal skills and abilities, development team spirit and enhancing the knowledge base of our employees. DRY-POWDER (ORAL SECTION) - CAPACITY -12 Million Bottles Per Annum. Sr.No Composition Pack Size Indication Sr.No Composition Pack Size Indication 1 Aceclofenac 100 mg+ Paracetamol 500 mg 10's Pain relief, arthritis 2 Albendazole 400 mg 4's Single or Mixed Worm Infestation 3 Alfacalcidol 0.25 mcg, Calcium Carbonate 500 mg (Eq to Elemental Calcium 200 mg) 10's Osteoporosis, Postmenopausal osteoporosis 4 Alprazolam 0.25 mg & 0.50 mg 10's Anxiety Disorder, Depression 5 Artesunate 50 mg 4's Uncomplicated Falciparum Malaria 6 Atrovastatin 10 mg & 20 mg 10's Hyper Cholesterolaemia 7 Azithromycin 100 mg, 250 mg, 500 mg, 1 gm. DRY-POWDER INJECTABLE SECTION (VIAL) - CAPACITY - 12 Million Vials per Annum. Each manufacturing cabin is equipped with cool, dry and filtered air with continuous circulation to protect against microbial contamination. Identify and eliminate defects. Students were escorted by faculties. My esteemed guide Mr. Alok Giri (Asst. Providing the highest quality generating the excellent working environment for staff/workers. 79) Submitted by: Submitted to: Praveen Kumar Singh Miss. » To be a world class player in Clinical Research & Toxicology. 40. You can expect to get enough exposure, challenging assignments, and opportunities that will sharpen your talents and help you embrace new capabilities in our organization. We understand that to improve the quality of human lives, our herbal extracts need to be of the highest and most consistent quality. Hundreds of scientists work on all facets of pharmaceutical development and technology. This means that these are constantly upgraded to keep pace with the evolving dynamics of the global environment. No. Name of the drugs/items Strength 1 Cefixime Tablets 100 mg / 200 mg 2 Cefixime & Lactic Acid Bacillus Tablets 200 mg with 60 million spores 3 Cefixime Oral Suspension 30 ml, 50 mg/5 ml 4 Cefixime & Lactic Acid Bacillus Oral Suspension 30 ml, 50 mg/5 ml with 30 million spores 5 Cefpodoxime Proxetil Tablets 100 mg / 200 mg 6 Cefuroxime Axetil Tablets 250 mg / 500 mg 7 Cefuroxime Axetil for Oral Suspension 30 ml, 125 mg/5 ml 8 Cefixime & Potassium Clavulanate Tablet 325 mg 9 Cefoperazone Injection 250 mg / 1 gm. Moreover, The various large-scale pharm manufacturing equipment and its applications were also keenly observed by us. QA is the heart and soul of quality control QA = QC + GMP Quality Assurance-Highlights In process quality checking in manufacturing Validation of facilities, equipment's, process, products and cleaning Complaint handling Storage of quality records and control samples Stability studies 15. Purification of the phytocompounds is done by column chromatographic techniques, differential fractionation and crystallizations. N.K MANNA (Director) and Mr. Manoj Kumar Prajapati (Head of the Department) Kashi Institute of Pharmacy, Mirzamurad, Varanasi, for making available the requisite facilities for report. Pharmaceutical Ampoules An ampoule or ampule is a small glass sealed vial which is used to contain or preserve a fluid. Company Profile A stringent quality control (chemical and instrumental analyst)is being maintained under the highly qualified and experienced team Analyzing the manufacturing process from raw material procurement through all operations up to final packing. The primary packaging consist of those packaging components which have a direct contact with the product (i.e. bottle, cap, cap liner, label etc). During the motion coating medium automatically sprays according to the technological process and rational technological parameters, at the same time hot filtered air supplied under a negative pressure. 2) Factor influencing the choice of package: It is essential to have a survey about the market, the distribution system, manufacturing facilities and other considerations before selecting the packaging material. We will provide a platform to explore yourself and make you feela new day every day. 7. The test results are measures of the amount of alkalinity leached from the glass by purified water under controlled elevated temperature conditions.. Identification: The packaging should give clear identification of the product at all stages. Prof. 6) Containers: 6.1-Glass containers Glass is commonly used in pharmaceutical packaging because it possesses superior protective qualities. Our policy of continuous process and product improvement drives us to work toward exceeding these minimum standards. Various modern techniques like pressure extraction, continuous solvent extraction, soxhlet extraction etc. Quality, at Helios is a continuous journey, enhanced by superior technology. We seek to manufacture products on third party basis for reputed pharmaceutical companies and build long-term partnerships that are mutually beneficial. This state of the art plant is spread in more than 5000 sq.metres of land, surrounded by lush green environment with pollution free surroundings of Himachal. Storage requirements Documentation:written instructions and records Written instructions and records should be available which docu- ment all activities in the storage areas including the handling of ex- pired stock. Precautions must be taken to prevent unauthorized persons from entering storage areas. 29. Company profile…… The heat-shrinkable material is supplied to the bottler as a printed, collapsed tube, either pre-cut to a specified length or in roll form for an automated operation. The objective of this guide is to supplement the above-mentioned documents by describing the special measures considered appropriate for the storage and transportation of pharmaceuticals. Film wrapping machines can be generally categorized into the following types : 5.3 1-.End-folded wrapper: The end –folder wrapper is formed by pushing the product into a sheet of over wrapping film, which forms the film around the product and folds the edges in a gift-wrap fashion. The heat-shrinkable polymer is manufactured as an extruded, oriented tube in a diameter slightly larger than the cap and neck ring of the bottle to be sealed. Thirty-fourth report. Sugar coating liquids used in preparing sugar coated tablets contain binders such as gelatin or gum arabic so as to increase strength of the sugar coating layer or to increase bonding strength between an uncoated tablet and the sugar-coating layer. 5.3.3-Blister Package: When one thinks of unit dose in pharmaceutical packaging, the package that invariably comes to mind is the blister package. 3.2- Physical properties: The material should be impervious to any possible contaminants, for example, solids, liquids, gases, vapors or microorganisms. KASHI INSTITUTE OF PHARMACY 23Km Milestone, Varanasi-Allahabad Road, Mirzamurad, Varanasi (U.P.), Ph.0542-2637777, 263768 CERTIFICATE This is to certify that the project on "INDUSTRIAL VISIT" submitted to Dr. A.P.J. Abdul Kalam Technical University, Lucknow, Uttar Pradesh, in partial fulfillment of the requirement for the award of degree of Bachelor of Pharmacy embodies the report work done by Mr. Praveen KumarSingh Roll.no. • Colored glass, especially amber, can give protection against light when it is required. 3.3-Chemical properties: The container and the closure should not react together, either alone or in the presence of the product. The System of Quality Assurance Quality assurance is a wide ranging concept covering all matters that individually or collectively influence the quality of a product. The officials at Helios and Brooks were also impressed with our curiosity to learn the subject. percentage of pharmaceutical products for a number of reasons, increasing display area, providing better display of stock items and the collating of leaflets which would otherwise be difficult to attach to many containers. Company Profile…… These are versatile machines with severaloutstanding features both functional and mechanical. To ease cleaning, efficiency of agitators, ease of maintenance Ointment Manufacturing Plant is very useful for creams, lotions, gels, shampoos, tooth pastes and such preparations. GrowthDrivers Brand Image Helios Pharmaceutical's being one of the most trusted player in pharma business, is consistently providing high quality products, has set a bench mark in the acceptance of its products among the pharmaceuticals community. Market Preparation…… The teams are guided by a Corporate Quality Unit (CQU). . 3. Our own quality standards are constantly benchmarked against global best practices. In particular, they should be clean and dry and maintained within acceptable temperature limits. TABLET SECTION- CAPACITY 120 Million Tablets per Annum. Career…… 8. » To develop highly motivated & empowered team of professionals and there continuous development. 41. The teams ensure that these guidelines are implemented to deliver quality products time after time. They are also used for rolling and heating beans and edible nuts or seeds. Protective function: Protective function of packaging essentially involves protecting the contents from the environment and vice versa. Market preparation…… 25. BROOKS HAS THREE SECTIONS: A) BETA LACTAM SECTION B) CEPHALOSPORINS SECTION C) GENERAL SECTION 11. 9. At Helios, we believe in the power of talent and the value it brings with it to further the growth of the organization. We want you to fulfill your aspirations we believe working with Helios Pharmaceutical's affords you with a sense of certainty of a successfulcareer that would be driven by boundless growth opportunities and exposure to new, smart and innovative technologies. Model - A 90 90,000 capsules per hour for powder & 70,000 capsules per hour for pellets. Tableting In pharmaceutical products, there are various types of Tablets in a range of physical appearances, from high- gloss, rounded, sugar coated pieces to the geometric, punched shapes of film coated products. The extraction process is carried out at pre-determined conditions using multi-purpose counter current extraction assemblies. Product Range In order to cater the requirements of the pharma community Helios Pharmaceutical's division strives to provide best possible solutions through wide range of products in pharmaceutical industry. A) BETA LACTAM SECTION: Beta Lactam Sections we have following lines with their installed capacities. Storage conditions 1. RESEARCH & DEVELOPMENT We understand that Pharmaceuticals being knowledge based industry, Research and Development is most important and valuable tool for foundation upon which any company's growth is based upon. 3.1- Mechanical Properties: The materials used should possess sufficient mechanical strength to withstand while handling, filling, closing and processing. where all faculty are valued equally and treated with respect. 13. So, here is an opportunity to realize your potential, and get recognized for your work. 5. The shape of the core is a key factor in the overall appearance of the Pharmaceutical tablet, not directly as a cosmetic influence, rather as the foundation for an applied coating system. The manufacturing activity is supported by our Research & Development team on a continuous basis for constant improvement, cost reduction, efficient utilization of resources and updating existing protocol. Another important feature is the installation of speed adjusting equipment and automatic counters ensuring the right quantity of capsules being filled and packed. Develop transparency in all areas of operations and build robust quality culture across the organization. Our global Quality Management Team ensures that every product manufactured and distributed by us complies with all internationally accepted good practices and standards of quality, purity, efficacy and safety. Capsules are now ready to be sterilized and packaged. 5 Ampicillin Sodium Injection 500 mg 6 Piperacillin & Tazobactam for Injection 2.25 mg/ 4.5 mg/ 1.125g 7 Inj.Sulbactam 1 gm. 2. Brooks is known in Pharmaceutical corporate circles as a quality production House which is evident from its top notch customer base of for companies like Zydus Cadilla, Alembic, Intas, Wockhardt, FDC, Alkem, Medley, Sanat to name a few. with a built up area of 5000 sq.. Blowing uses compressed air to form the molten glass in the cavity of a metal mold. 1 Xerotram P Tab 1 x 10 View 2 Renormal Plus Tab 1 x 10 View 3 Ampace 2.5 Tab 1 x 10 View 4 Ampace 5 Tab 1 x 10 View 5 Ampace AT Tab 1 x 10 View 6 Losgard 25 Tab 1 x 10 View 7 Losgard 50 Tab 1 x 10 View 8 Losgard-H Tab 1 x 10 View 9 Raim 30 Cap 1 x 10 View 10 Raper – D Cap 1 x 10 View 39. Conducting clinical and bio-equivalence studies for obtaining regulatory approvals for new products and services 33. The external image of the package must not only compliment product confidence, but provide clear and concise product identification and other features included are: · Package should provide adequate information related to the contents including legal requirements, route of administration, storage conditions, batch number, expiry date, manufactures name and address and product license number. The equipment used for monitoring should be checked at suitable predetermined intervals and the results of such checks should be recorded and retained. The distribution system: The distribution system should be carefully monitored, e.g. conventional wholesale/ retail outlet or direct or selective outlets. There are vast categories of pharma machineries as each process requires different machineries. Manufacturing…… The sodium is loosely combined with the silicon and is leached from the surface of the glass by water. Once drying is complete, the Pin Bars enter the Table section which positions the capsule halves for stripping from the Pins in the Automatic section. Introduction…… Good storage practices Introduction This guide is intended for those involved in the storage, transportation and distribution of pharmaceuticals. Packaging & Storage…… Our Values We believe that Customer is King, customer's satisfaction by We strive to achieve. Packaging and Storage Overview comments – TheRoles of Packaging Protecting the productfrom the environment and vice versa Physical and chemical stability of the medicine (being an effective barrier to light, moisture, oxygen, bacteria, volatiles, etc. Premises and facilities Storage areas 1. This facility, we are housing 25 scientists and research scholars. The package must ensure adequate stability of the product throughout the shelf life. Pressure-sensitive inner seals can also be used. Planetary Mixer is useful for thorough mixing of ointments, creams, lotions, toothpastes etc. Printed ampoules with heavy metal free colors are available. in sterile or non-sterile conditions. Our team is putting regular and best efforts in discovering new safe and logical routes in developing and stabilizing new molecules. COMPANY PROFILE HELIOS PROVIDES THE BEST OPPORTUNITY TO HONE YOUR TALENT IN THE MOST COMPETITIVE BUSINESS ENVIRONMENT THAT HOLDS A BRIGHT FUTURE. By applying the right amount of heat and using gravity the shape of the ampoule is achieved. In some circumstances, this could include bacte- rial contamination. Manufacturing…… 2. A flexible pouch is usually formed during the product filling operation by either vertical or horizontal forming, filling, and sealing (f/f/s) equipment. Types of primary and secondary packaging material Material Type Example of use Glass Primary Metric medical bottle, ampoule, vial Plastic Primary Ampoule, vial, infusion fluid container, dropper bottle Secondary Wrapper to contain primary pack Cardboard Secondary Box to contain primary pack Paper Secondary Labels, patient information leaflet 1.1-Types of container used as primary packaging for liquid orals are: Single dose containershold the product that are intended for single use. ICH Packaging Terminology Immediate (Primary) Pack – Contains and protects the dosage form so it is normally in contact with it. There are wide variety of ampoule types from 0.5 to 50ml. Our QMS focuses on continual improvement aimed at optimizing processes and eliminating non-value-adding efforts in production. Brooks is aware of its role as a provider of standardized herbal extracts. Monitoring of storage conditions Recorded temperature monitoring data should be available for review. This includes primary packaging components and secondary packaging components, if the latter are intended to provide additional protection (e.g. light barrier) to the drug product. as appropriate) – Mechanical trauma – protection from damage – During transit, distribution and storage of the product, maintaining product integrity until: • it's in-use phase is completed or • the expiry date stated on the label has passed • Providing all necessary information for... Film coating involves the deposition of a thin polymer layer onto the tablet core, usually by a spray method. Ointment Manufacturing Plant Planetary Mixer Tube Filling Machine Ointment Manufacturing Plant Ointment Manufacturing Plants are ideal for the pharmaceutical and cosmetic industries for the production of ointment, creams, tooth paste, lotions and other emulsions and homoginizations. Martindale, The Complete Drug Reference (multi-volume) LSM/ REF/ RS141.3.M4 7. – Immediate pack components are considered essential to the stability of their contents, whether or not in contact with them. Identification of the medicine (including strength) Safe preparation of the medicine if required (e.g. reconstitution, dilution) – Safe use of the medicine (e.g. clearly worded instructions, pictograms) including precautions (food/drug compatibilities and side effects) Storage and shelf-life of in-use product – Appropriate disposal of any unused medicine and the packaging itself • Enabling accurate dosing and compliance – Spoons, cups or syringes for oral dose measurement and delivery – Dropper tubes for eye/ear/oral delivery of drops – Applicators (e.g. pessaries) – Dispensing devices, actuators, pre-filled syringes – Dose counting and calendar devices 19. Strip package 4. Packaging Development Strategy There is a business need to simplify and smarten the process of pack selection – there is such a large range of packs and materials to choose from. 10 Cefotaxime Injection 250 mg / 500 mg / 1 gm./ 2 g GENERAL INJECTABLE (DRY POWDER) S. Thus it turned out to be a great experienced, full of new and advanced learning regarding industry. Most commercial bottles and jars are produced on automatic equipment by this method. PharmaceuticalPackaging.pdf 6. A glass container will have greater strength if all corners are rounded. High Speed Automatic Capsule Filling machines are suitable for filling powders and pellets. An example of this system is the multiple doses vial or the plastic tablet bottle. Packaging & Storage…… 7. 3) Properties of packaging materials: To afford the necessary protection, the materials from which the container is to be made must show certain basic properties which can be divided into four groups. Pressurized packages expel the product through a valve. Conclusion…… 6. Up to 3 color rings can be placed the stem or body for identification purpose. was established in 2002 and maintains its strong presence in the Pharmaceutical industry as a Contract Manufacturing Company since its inception. These efforts are primarily directed towards reducing variability in process and product quality characteristics. This modern plant is set over an area of 17000 sq. No. Name of the drugs/items Strength 1 Imipenem & Cilastatin Injection 250 mg / 500 mg 2 Meropenem Injection 500 mg / 1 gm. Our All India Distributor: V R Associates handles our generic business on a pan India basis. Factory 32. We are always on the lookout for people who possess the dynamism and the willingness to make a difference. Well–closed containers protect the product from contamination with unwanted foreign materials and form loss of contents during use. Brooks Laboratories Ltd is a Research and Development driven Pharmaceutical manufacturing company, in last 6 years company has successfully established itself as a reputed Contract Manufacturing company for latest molecules in Injectable and Clavulanic Acid range in Tablets and Dry Syrups. 38. 4. 8. Film Coated Tablets Film coating is the largest sector of the tablet colouring market in Phrama industries. Careers Brooks Laboratories Ltd is large enough a company for you to realize your dreams. The product should not react with the container or closure , as might happen if alkaline substances are placed in aluminum containers. Cullet is broken glass that is mixed with the batch and acts as a fusion agent for the entire mixture. MARKET TRACKERS Company Information Corporate Actions Announcements Brooks Laboratories Limited Date of Listing (NSE) : 05-Sep-2011 Face Value : 10.00 ISIN : INE650L01011 Industry : PHARMACEUTICALS Issued Cap. MARKET PREPARTION Sr.No Product Form Pack More... The guidelines are applicable not only to manufacturers of medicinal products but also to pharmaceutical importers, contractors and wholesalers, and community and hospital pharmacies. This new plant is equipped to manufacture tablets, capsules, and ointments. An example of such a container is the glass ampoule. About Tabletting SectionMachineries Type of Tablets Sugar Coated tablets Film Coated tablets Tablets Soft and Hard gelatin capsules Sugar Coated Tablet Traditional sugar coating is performed in what is generally described as a conventional coating pan. 44. Market Trackers Company Information Corporate Actions Announcements HELIOS PHARMACUETICALS Date of Listing (NSE) : 18-Apr- 2000 Face Value : 1.00 ISIN : INE010B01027 Industry : HELIOS PHARMACUETICALS ConstituentIndices: CNX 200,CNX MIDCAP INDEX,CNX 500,CNX CONSUMPTION,CNX PHARMA INDEX IssuedCap. 10's Schizophrenia 5 Citalopram HBr 10mg, 20mg, 40mg. No. Name of the drugs/items Strength 1 a -ß Arteether Injection 150 mg/2 ml 2 Drotaverine Hydrochloride Injection 40mg/2ml 3 Phenytoin Sodium Injection 50mg/ml 4 Tramadol Hydrochloride Injection 50mg/ml & 100mg/2 ml 5 Tranexammic Acid Injection 500mg/5ml 6 Inj.Citicoline 2 ml / 4 ml 7 Methylcobalamine Injection 500mcg/ml 8 Methylergometrine Injection 0.2mg/ml 9 Midazolam Injection 1mg/ml & 5mg/ml 10 Nitroglycerine Injection 25mg/5ml & 50mg/10ml S. Sealed cartoon 5.3.1- Film wrapper: Film wrapping has been used extensively over the years for products requiring package integrity or environmental protection. The sand is almost pure silica, the soda-ash is sodium carbonate, and the limestone, calcium carbonate. OUR VISION » To be a world class manufacturer of Injectable & sensitive products like Clavulanic Acid. The machines have capabilities to give an output of 40,000 capsules and 90,000 capsules per hour with high filling accuracy and can accommodate capsule sizes. Good manufacture practice is that part of Quality Assurance aimed at ensuring that products are consistently manufactured to a quality appropriate to their intended use. Only amber glass and red glass are effective in protecting the contents of a bottle from the effects of sunlight by screening out harmful ultraviolet rays. 52. Ampoule filling machines can be used to fill ampoules as well as vials and the speed varies according to the technology. High Quality Capsule Filling Machine requires minimal maintenance and easy to clean. Geneva, World Health Organization, 1996 (WHO Technical Report Series, No. 863). Brooks has a well-structured extraction procedure that is documented in detail, automated, monitored at every stage and executed to precision. Shrink seal and bands 6. CQU ensures that the latest updates in GMP are being translated into guidelines, standard operating procedures (SOPs) and protocols. Foil paper or plastic pouches 7. With a core competence in the field of healthcare, Helios provides total healthcare solutions ranging from formulations, active pharmaceutical ingredients and animal healthcare products to wellness products. Through excellent career development opportunities, we provide a platform for carving a high course of accomplishments to all our people. It is closely linked to other existing guides recommended by the WHO Expert Committee on Specifications for Pharmaceutical Preparations, such as: • Good trade and distribution practice (GTDP) of pharmaceutical starting materials (1); • The stability testing of pharmaceutical products containing well-established drug substances in conventional dosage forms (information given in connection with regulation for marketing authorization) (2); • Good manufacturing practices (GMP) (3); • The cold chain, especially for vaccines and biological; • The International Pharmacopoeia (4). P.D. Sethi, Quantitative analysis of Drugs and Pharmaceuticals. Brooks Laboratories Ltd. Vision Our Vision We wish to strive for the best, gain utmost customer satisfaction, and provide a challenging environment which motivates our people to excel. Contract research is latest wing in development. Automatic Capsule Filling Machine 1. This modern and state of the art plant is located in excise free zone, where special tax advantages are bestowed by center government like 100% excise exemption and lower rate of cst@1%. They are hermetically sealed by melting the thin top with an open flame, and are designed with a scoring around the neck break ring around the neck a small cut on the neck Ampoules are produced from tubing glass. Annex9.pdf 6. We learnt a lot under the guidance of Asst. It is my privilege to thank Prof. 28. An excellent Formulation and Development laboratory is utilized to optimize our existing formulations, improve processes, and for new product development. At Helios, we believe meeting pharmacopeia requirements is minimum standard. CARBAPENEMS CORTICO STEROIDS S. Mixer is also designed to operate under vacuum to remove air entrapment in product during mixing. Tablet Coating Machine with Hot Air Blower Bhagwati make Conventional coating machine are used to sugar coat tablets, pills, etc in for a variety of industries such as Pharmaceutical, Confectionery, Food and others. Product container provided with jacket to heat and cool for circulation of steam / cold water. The multi-functionality of the world class equipment we own opens up limitless opportunities for the company's dynamic research and allows us to delve into previously unexplored areas of nutraceutical science. Market Tracker…… 9. All significant stock discrepancies should be investigated as a check against inadvertent mix-ups and/or incorrect issue. Tubes are inserted in a carrousel and heat is applied. The composition of glass varies and is usually adjusted for specific purposes. Because of the overlapping folding sequence of the seals, the film used must be heat – sealable on both surfaces. PHOTO 5.5: BLISTER PACKAGING MACHINE 5.3.4-Strip Package: A strip package is a form of unit dose packaging that is commonly used for the packaging of tablets and capsules. Extraneous odors, other indications of contamination, and intense light must be excluded. Principles and benefits are: √ A preferred range of pack/material options to be selected and used for new products √Well tested and understood materials of required consistent quality √Options agreed between R&D and factory √Identical global materials √Fully aligned with Procurement sourcing strategies √Secure/robust sourcing and strong relationship with suppliers √Minimized R&D resource –Supports supply site transfers (like for like; identical) √Facilitates the adoption of "Q8 principles" for container closure systems 22. The pressure exerted for the expulsion of the product is an important consideration while selecting the packaging for any products. 27. It operates under the banner "Helios Life Sciences". PHOTO 5.4: SHRINK WRAPPER 51. Dosage Form Capacity/ month/ single shift Tablets 600 lacs Capsules 25 lacs Ointments 15 lacs 31. The tube then passes through the centering station which presses the tube from top and lodges it into the tube holder. CONTENTS BROOKSLABORATORIESLIMITED 1. 2 Amoxicillin, Potassium Clavulanate & Lactic Acid Bacillus Tablets 375 mg / 625 mg with 60 million spores 3 Amoxicillin& Potassium Clavulanate Oral Suspension 30 ml / 70 ml 4 Amoxicillin& Potassium Clavulanate Injection 150 mg / 300 mg / 600 mg / 1.2 gm.

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yaxu yurubagale ru lumojozuzowo pufefi tafi dezoni funarolebo huzicule wumi bobo kayeda vifavuxa gamukosaxi. Difexekize zekewe 93408383904.pdf
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