

**I'm not a robot!**





sortem; Ärap soL °â °â °â sanosreP °â etneibma oideM °â odadilav res ebed odoT °â PMGc osecorp led n°Äicadilav al ne sodiulcni setnenopmoC .23 13 elbatpeca odatluser le natcefa euq serotcaF laboratory › raw materials › equipment › procedures › process 32 33. semisolids manufacturing consideration 33 34. 34 35. unit operation for semisolid system › five unit operation › mixing of liquid › mixing of solid › mixing of semisolid › dispersing › milling and size reduction of solid and semisolid 35 36. Filling and packaging operation › the following critical aspects should be evaluated and controlled during the operations of validation and large-scale manufacturing › proper control of the temperature of the product to help the flow of the product and maintain the consistency of the product before and during the filling and packaging operations › proper agitation in holding tanks and filling heads with the purpose of uniformity and homogeneity of the main product during the operation of filling and packaging › the use of the atmosphere Product testing › bulk product validation tests and finishes should be based on standard release test criteria and process test criteria › routine qc release tests should be performed on a routine sample. › these samples should be taken separately from validation samples. › sample validation and testing is typically 3 to 6 times the usual qc sampling. 37 38. Bulk amplification › take 10 samples of the mixture, tank or during the transfer of products to the storage/filling container. › samples must represent the upper, middle and lower part of the container › if the sampling of the mixture/tank using a specific equipment, the samples should be taken immediately adjacent to the blades, baffles and axes where the movement of the product during the mixture can be restricted. › the bottom of the tank and the possible dead points should be sampled and senorcim senorcim 02 -2,0 ed ognar le ne ratse ebed sosrepst sametsis sol ed aÄroyam al arap salucÄtrap sal ed o±Äamat led n°Äicubirtsid -n°ÄicaredisnoC salucÄtrap ed o±ÄamaT °â aicnaligiv ed otcudorP .93 83 elbisop res ed ,odalczem on lairetam arap Viscosity: the viscosimeter calibrated to measure the apparent viscosity of the system dispersed to balance at a given temperature to establish the reproducibility of the system. °â or Uniformity of uniformity/formulation of cream depends more on particle size, cutting speed and mixing efficiency to reach and maintain the uniformity of the active drug component 39 40. meet the release limit for the trial. °â or The usual sample size for test ranges between 0.5 and 1,5 g per sample test. °â or Reserving effect-incorporation of a conserving test procedure antimicrobial USP or microbial limit test in the formal validation of aqueous dispersion. Dissolution tests: primary use as a quality control procedure to determine the uniformity of the product. Secundario as a means to evaluate the in vivo absorption of the drug in terms of a possible in vitro/live correlation. °â or For cream/single, the in vitro flow of Franz through the diffusion cell has been modified by the use of a silicon rubber membrane barrier to stimulate the percutaneous dissolution unit for the purpose of test 40 41. Validation report °â¢ Standard format 1. Discussion 2. Discussion 3. Conclusions and recommendation 4. Attachment 5. The item must be presented in the order in which they appear in the protocol. The deviation of the iezas protocol is explained and justified completely. i The report is signed and dated by designated representatives of each unit involved in the validation of the water system 41 42. Oral fluids are the homogeneous or heterogeneous preparation of liquids. °â or consisting of solution, emulsion or suspension. °â in which one or more medications have been dispersed in a suitable vehicle. 42 43. Class 43 44. Manufacture of biphasic liquids 44 .osecorp .osecorp led lareneg n°Äicpircsed anu anoicroporp n°Äicaunitnoc a anoicroporp es euq n°Äicamrofni aL osecorp led n°ÄicpircseD .64 54 n°Äisnepsus y n°Äislume ed sabeurP information for manufacturing will be provided separately in the batch manufacturing record. › DISPENSING OF MATERIAL › SUGAR PREPARATION SYRUP › MANUFACTURATION BULK › ADJUSTMENT › VOLUME MAKE UP › FILTRATION › REHING, FILLING AND SEALING 46 47. Validation of the process refers to the following operations 47 48. 1.RAW MATERIAL 48 49. 2. Production monitoring I. Aspect II. pH III. Viscosity IV. Specific gravity V. Microbial account VI. Content uniformity VII. Evaluation of the dissolution 49 50. rate Sedimentation rate your sizeResuspendability Particle size and distribution deZeta Potential measurement or search parameter for the solution deClarity decolouration oTest parameters specific to the suspension 50 51. oTest specific parameters for emulsion LaThe dilution test deThe conductivity test deCOCL2 filter paper test deFluorescence test oTest for filling and packaging LaThe packaging test for full bottle CapCap sealing test de Volume Wa Sample Places: 52 53. › Sampling site: - Top (A), Middle (B), Bottom(C) position; use the sample tube for A pestB and the lower valve for position C › sampling Quantity: - About 100 ml of each sample site › Sampling time: - While the mixture is in: - After \_\_\_\_ minutes, after \_\_\_\_ minutes, After \_\_\_\_ minutes. 53 Protocol validating analytical methods 54 55. References › Lieberman H. A. , Rieger M. M. and Banker G. S. 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