TSC Category	Drug Compounding and Management					
TSC	Non-sterile Compounding					
TSC Description	Prepare and perform small scale compounding of extemporaneous pharmaceutical products					
TSC Proficiency Description	**Level 1**	**Level 2**	**Level 3**	**Level 4**	**Level 5**	**Level 6**
		HCE-DRM-2006-1.1	**HCE-DRM-3006-1.1**			
		Prepare and perform small-scale compounding of non-sterile extemporaneous products	Verify products in accordance to requirements			
Knowledge		• Medication safety practices • Workplace Safety and Health (WSH) • Good Manufacturing Practice (GMP) • Types of containers used in packaging • Labelling requirements for compounded products • Use of tools and equipment for compounding • Proper storage areas and/or conditions for compounded products • Organisational guidelines for disposing of waste • General principles in clinical pharmacology and therapeutic use of prescribed medicines • Standard Operating Procedures (SOPs) related to patient enquiries • Types of active and raw ingredients for drug compounding • Principles and procedures of formula calculations for compounding • Organisation guidelines to reinstate and clean work areas • Techniques to minimise contamination of non-	• Extemporaneous drug formulation • Drug stability and storage conditions • Calculation for weight, volume, quantity, dilutions and percentages required for each of the raw ingredients in products • Organisational guidelines for drug compounding processes • ISO17025 guidelines			

		sterile extemporaneous products • Compounding techniques • Factors affecting quality and stability of extemporaneous products • Chemical and physical properties of raw materials in relation to formulation and compounding • Hand-washing and scrubbing techniques				
Abilities		• Pack, label and place finished non-sterile extemporaneous products using appropriate storage containers and closures in compliance with worksheet specifications and organisational guidelines • Dispose of waste correctly in accordance with organisational guidelines • Select formulation corresponding to non-sterile extemporaneous products to be compounded • Differentiate active ingredients from excipients • Maintain work areas before and after for compounding activities in accordance with organisational guidelines • Prepare and measure raw ingredients for compounding according to formulations and/or worksheet specifications • Prepare tools and equipment required for compounding in accordance with organisational guidelines	• Verify ingredients and amounts used in compounding processes • Confirm shelf-life of products is valid in accordance to prescriptions • Verify products against the orders approved by pharmacists • Calculate weight, volume, quantity, dilutions and percentages required for each of the raw ingredients in products • Complete, reconcile and file compounding records in accordance with organisational guidelines			

		• Document accurately and completely on worksheets in accordance with organisational guidelines • Prepare labels that are consistent with labelling requirements and details on worksheets • Perform compounding using appropriate compounding techniques and in the appropriate sequence • Obtain appropriate authorisations and checks at designated points according to worksheets • Perform visual inspection on finished non-sterile extemporaneous products for particulate contamination and homogeneity • Identify and report concerns to supervisors on compromises to the integrity of products and consumables				