UNILAB CHEMICALS & PHARMACEUTICALS PVT. LTD. Regd. Off: F-12 4th Floor, Pinnacle Business Park Mahakali Caves Road,

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Fac.: W-32, MIDC, Phase II, Dombivli (E)-421204, ① +91 773800003 60/65

NAME OF PRODUCT	FINISHED	: BENZALKON	IUM CHLORIDE BP			
MANUFACTURED BY		: UNILAB CHEMICALS & PHARMACEUTICALS PVT. LTD.				
BATCH NO.		: B/050/23 A.R. NO.		: BD/051/23		
MANUFACTURING DATE		: April 2023	OTV MEC	D	A STATE OF THE PARTY OF THE	
EXPIRY DATE		: April 2023 QTY. MFGD. : March 2026 QTY. SAMPLED			: 500 Kg : 100 g	
DATE OF RECEIPT		: 15/04/23 SAMPLED BY			: Sarita	
	(TUE DD	CERTIF	ICATE OF ANALYSI	IS		
TESTS		UGS & COSMETICS ACT 1940 & THE RULES REQUIREMENTS				
Appearance		White or yellowish-white powder or			RESULT	
		gelatinous, yellowish-white fragments,			Yellowish-white gelatinous,	
		hydroscopic On heating it 6			hygroscopic.On heating it forms a clear molten mass.	
		hygroscopic. On heating it forms a clear molten mass.				
Solubility		Very soluble in water and in ethanol (96%).  An aqueous solution froths copiously when			Complies	
Identification		To Comply the BP tests.				
		B. HPLC test			B. Positive	
Appearance of solution		E. Chloride test			E. Positive	
Appearance of solution		1% w/v solution in CO2 free water is clear and			Complies	
		solution Y6.	y coloured than referen	ce		
Acidity/alkaliny		N				
		NaOH is required to change the colour.			0.08 ml of 0.1M HCl	
Average relative molecular		C12H25 homologue: Minimu 40%			C12H25 homologue: 71,79%	
mass and ratio of alkyl		C14H29 homologue: Minimu 20%			C14H29 homologue: 28.21%	
components		Sum of C12H25 & C14H29 homologue:			Sum of C12H25 & C14H29	
mourity & (Rangul alasta D		Minimum 70%			homologue: 99.99%	
Impurity R (Benzyl alcohol)		Not more than 0.50%			0.014%	
Impurity B (Benzaldehyde)		Not more than 0.15%			Not detected	
Impurity C (Chloromethyl)Benzene		Not more than 0.05%			Not detected	
Amines & amine salts		Not more than 5 ml of 0.1N tetrabutyl			2.213	
		ammonium hydroxide added between two			2.21 m]	
		inflection points.	and and both cell twe			
Water '		Not more than 10.0%, determined on 0.3 g			2.15%	
Sulphated ash		Not more than 0.1%, determined on 1.0 g			0.04%	
issay		Not less than 95.0% and not more than			102.6%	
		104.0% of alkylbenzyldimethylammonium				
,		chlorides (anhydrous substance) calculated				
lemarke . Th	a motorial C1	using the average r	elativemolecular mass			
NALYSED	. material Compli	es with BP Specifica	tions.			
BY					THORISED :	
	9	DI	(AR)	BY		
	Sarita		1			12 45
	(Q.C Chemist)		Ashvini			Pradip Kumar
PATE	. 25/04/23	DATE	(Q.C Manager) : 25/04/23	DA		(Q:A Manager)
ALE						25/04/23