



SYMBIOTICA
SPECIALITY INGREDIENTS SDN BHD



CERTIFICATE OF ANALYSIS

Product : Clobetasol Propionate
Batch no. : CLO 101/0417

Manf. Date : April 2017
Retest Date : March 2022

Description	Almost white crystalline powder (White or almost white crystalline powder)
Solubility	Complies (Practically insoluble in water, freely soluble in acetone, sparingly soluble in ethanol (96 %))
Identification	IR : Concordant with standard (EP)
Specific Optical Rotation (1% Solution In Acetone)	+117 ° (+112 ° to +118° on dried basis)
Related substances (HPLC)	Less Than 0.05 % (Impurity A : NMT 0.2 %) 0.26 % (Impurity B : NMT 0.3 %) Less Than 0.05 % (Impurity C : NMT 0.3 %) Less Than 0.05 % (Impurity D : NMT 0.5 %) Less Than 0.05 % (Impurity E : NMT 0.7 %) Less Than 0.05 % (Impurity L : NMT 0.2 %) Less Than 0.05 % (Impurity M : NMT 0.2 %) Complies (Unspecified impurity : NMT 0.10 %) 0.31 % (Total impurities : NMT 2.0 %)
Loss on drying	0.12 % w/w (NMT 0.5 % w/w)
Sulphated Ash	0.05 % w/w (NMT 0.1 % w/w)
Assay	By HPLC : 100.4 % w/w (NLT 97.0 % w/w and NMT 102.0 % w/w on dried basis)
Residual solvents	Methanol : NMT 3000 ppm Methylene Chloride : NMT 600 ppm Acetone :NMT 5000 ppm Ethyl Acetate : NMT 5000 ppm Dimethyl Formamide : NMT 880 ppm Pyridine : NMT 200 ppm Complies as per ICH guidelines
Particle Size (By Laser Diffraction)	80% ≤ 10.9 µm (Limit: 80 % ≤ 30 µm)

Conclusion : Complies with EP 9

Analytical Chemist

QC Manager



"A Member of" FATM

