CERTIFICATE OF ANALYSIS

NAME OF PRODUCT	(LEEPOL™ COAT L-30DA)	GENERIC NAME	Methacrylic Acid Copolymer dispersion
BATCH NO	10020036		
MFG. MONTH	MAR – 2021	DATE	28/03/2021
EXP. MONTH	FEB – 2023	REF NO.	TLC/L-30DA

TEST	SPECIFICATION	RESULTS
Description	Milky white liquid of low viscosity	Milky white liquid of low viscosity
Solubility	It is miscible with water in any proportion; the milky-white appearalce is retained. A clear or slightly opalescent viscous solution is obtained on mixing one part with five parts of acetone, alcohol or isopropyl alcohol. The polymer substance is first precipitated, but. then dissolves in tlre excess organic solvent. A clear or slightly opalescent, viscous solution is obtained on mixing one part with two parts of IN sodium hydroxide.	It is miscible with water in any proportion; the milky-white appearalce is retained. A clear or slightly opalescent viscous solution is obtained on mixing one part with five parts of acetone, alcohol or isopropyl alcohol. The polymer substance is first precipitated, but. then dissolves in tlre excess organic solvent. A clear or slightly opalescent, viscous solution is obtained on mixing one part with two parts of IN sodium hydroxide.
Identification	A) Sample should exhibits maxima only at the same wavelengths as that of maxima obtained from standard.	Complies
	B) It meets the requirement of assay	Complies
Residue On Ignition	NMT 0.2%	0.12%
Heavy Metals	NMT 0.002 %	<0.002 %
Viscosity on Dried Basis	100cps to 200 cps	163 cps
Limit of Monomer	NMT 0.01% of total monomer.	0.005%
Coagulum Content	NMT 1.0%	Nil
Loss on Drying (110 °C for 6 hrs)	Between 68.5 % to 71.5 %	69.37 %
Total Combined Yeasts And Molds Count	TAMC:NMT 10^{2} cfu/gm	Nil
Total Microbial Contamination count	TAMC:NMT 10^{3} cfu/g	20 cfu/g
pH	2.0 to 3.0	2.65
Apparent Viscosity	2 mpa.s to 15 mpa.s	9 mpa.s
Assay for Methacrylic Acid unit on Dried Basis	46.0 to 50.6%	49.27 %

* Specification as per finished product specification meeting requirement of USP/NF.