

CERTIFICATE OF ANALYSIS

NAME OF PRODUCT	LEEPOL™ 941	GENERIC NAME	ACRYLATE CO POLYMER
BATCH NO	11220012		
MFG. MONTH	APR – 2021	DATE	10/04/2021
EXP. MONTH	MAR – 2026	REF NO.	TLC/941

TEST	SPECIFICATION	RESULTS
Description	White fluffy, hygroscopic powder having a slight, characteristic odor. The pH of 1 in 100 dispersion in water is about 3.	White fluffy, hygroscopic powder having a slight, characteristic odor. The pH of 1 in 100 dispersion in water is about 3.
Solubility	When neutralize with alkali hydroxide or amine it dissolve in water, alcohol and glycerine.	When neutralize with alkali hydroxide or amine it dissolve in water, alcohol and glycerine.
Identification	Gel formation after the neutralization of the dispersion	Gel formation after the neutralization of the dispersion
	(1) 1 % Dispersion with Thymol blue-Orange colour	Orange colour
	(2) 1 % Dispersion with cresol Red-Yellow colour	Yellow colour
Viscosity (0.5 % musilage, spindle #5)	Between 4,000 to 10,000 mPas	8,000 mPas
pH	1.0% Solution Limit 2.5 to 3.0	2.95
Loss on Drying	NMT 2.0 %	0.92 %
Total Heavy Metals	NMT 0.002 %	<0.002 %
Limit of Benzene	NMT 0.5 %	Nil
Assay for carboxylic acid content	Between 56.0 % to 68.0 %	59.36 %
Residual Monomer (Free Acrylic acid)	NMT 0.25 %	0.23 %

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