



CERTIFICATE OF ANALYSIS

PRODUCT NAME : ACRYPOL 980
BATCH NO. : 11518024
MFG. MONTH : Jul-2018
RETEST. MONTH : Jun-2021

ISSUE DATE. : 28-Jul-2018
A.R.NO. : A181910002724

The supply as detailed above has been tested and found to meet the requirement as below on sample basis.

SR.No	PARAMETER	UNIT	SPECIFICATION	RESULTS
1	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.
2	SOLUBILITY		A. WHEN NEUTRALIZED WITH ALKALI HYDROXIDES OR WITH AMINES, IT SWELLS GIVING THE APPEARANCE OF DISSOLVING IN WATER.	A. COMPLIES
3	SOLUBILITY		B. WHEN NEUTRALIZED WITH LOWER AMINES AND ALKANOLAMINES, IT SWELLS GIVING THE APPEARANCE OF DISSOLVING IN METHANOL OR GLYCERIN.	B. COMPLIES
4	SOLUBILITY		C.WHEN NEUTRALIZED WITH ETHOXYLATED LONG-CHAIN AMINES, IT SWELLS GIVING THE APPEARANCE OF DISSOLVING IN ETHANOL.	C. COMPLIES
5	IDENTIFICATION		IR SPECTROMETRY	MATCHED WITH STANDARD SPECTRUM
6	IDENTIFICATION		GEL FORMULATION AFTER THE NEUTRALIZATION OF THE DISPERSION.	GEL FORMED
7	IDENTIFICATION		10 ML GEL WITH 2 ML OF 10 % CaCl ₂ , WHITE PRECIPITATE FORMED	WHITE PRECIPITATE FORMED
8	IDENTIFICATION		1% DISPERSION WITH THYMOL BLUE ORANGE COLOUR AND 1 % DISPERSION WITH CRESOL RED YELLOW COLOUR.	COMPLIES
9	VISCOSITY	mPa.s	40000 TO 60000	43000
10	LOSS ON DRYING (IN A VACUUM AT 80°C FOR 1 HOUR)	%	NMT 2.0	0.81
11	RESIDUE ON IGNITION	%	NMT 4.0	0.94
12	LIMIT OF BENZENE	ppm	NMT 2	Not Detected
13	RESIDUAL SOLVENT (ETHYL ACETATE)	%	NMT 0.5	Not Detected
14	RESIDUAL SOLVENT (CYCLOHEXANE)	%	NMT 0.3	Not Detected
15	RESIDUAL MONOMER (FREE ACRYLIC ACID)	%	NMT 0.25	0.23
16	ASSAY FOR CARBOXYLIC ACID CONTENT	%	56.0 TO 68.0	58.15

STATUS : Approve Above Spec.

* Specification as per finished product specification [QC/WI/342(04)] (Carbomer Homopolymer, Type C). Meeting requirement of USP/NF.

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