



Todo Droga

Quimica Mayorista

CETIFICATE OF ANALYSIS

NAME OF PRODUCT: **ACRYPOL 980**

(CARBOMER HOMOPOLYMER TYPE C)

BATCH NO: 11315083

DATE: 11/07/2015

MFG. MONTH: JUL.- 2015

A.R.NO.: CRL/FP/083/15-16

RETEST MONTH: JUN.-2020

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

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	A. When neutralized with alkali hydroxide or with amines, it swells giving the appearance of dissolving in water. B. When neutralized with lower amines and alkanolamines, it swells giving the appearance of dissolving in methanol or glycerin. C. When neutralized with ethoxylated long-chain amines, it swells giving the appearance of dissolving in ethanol.	Complies
IDENTIFICATION	IR spectrometry	Complies
	Gel formulation after the neutralization of the dispersion.	Viscous gel formed
	10 ml gel with 2 ml of 10% cacl ₂ white precipitate formed	white precipitate formed
	1% Dispersion with Thymol Blue orange colour and 1 % dispersion with cresol red yellow colour.	Complies
VISCOSITY	Between 40,000 to 60,000 mPas	46,000 mPas
LOSS ON DRYING (At 80 ° C for 1 hr.)	NMT 2.0 %	0.78%
RESIDUE ON IGNITION	NMT 4.0 %	0.08%
HEAVY METALS	NMT 0.002 %	< 0.002%
RESIDUAL SOLVENT ETHYL ACETATE CYCLOHEXANE	NMT 0.5 % NMT 0.3 %	Not detected
LIMIT OF BENZENE	NMT 0.0002 %	Nil
RESIDUAL MONOMER (Free acrylic acid)	NMT 0.25 %	0.08%
ASSAY OF CARBOXYLIC ACID CONTENT	Between 56.0% to 68.0%	58.99%

* Specification as per finished product specification [QC/WI/342 (02)]. Meeting requirement of USP/NF.

TESTED BY

Harshad Prajapati
HARSHAD PRAJAPATI
(Q.C. Chemist)



AUTHORIZED BY

Rajesh Patel
RAJESH PATEL
(In-Charge QC)

The Next Generation Polymer Technologist

REGD. OFFICE : 21A, VIJAY COLONY, NR. S. P. COLONY, STADIUM ROAD, NARANPURA, AHMEDABAD-380 013. TELE : 91-79-32931691

ACRYCOAT • COLORCOAT • ACRYPOL • KYRON • ACRYSOL • ACRYFLOW • ACRYSET