



JOSHI AGRO

813, Topiwala Center, Opp. Railway Station,
Goregaon (W), Mumbai – 400062
Cont – +91 8080701491 / 9323339400
E-mail : Agro.Joshichem@gmail.com
Visit : www.JoshiAgroChem.com

NPK - Water Soluble Fertilizers - Agro Chemicals - BIO PGR - EDTA - Micronutrients

ANALYTICAL TEST REPORT

Date : 17-07-18
Product Name : POLYSORBATE (TWEEN 80)

Grade : IP

PARAMETER	UNIT	SPECIFICATIONS	RESULT
Appearance	Visual	Clear or almost clear oily liquid.	PASSES
Colour	Visual	Yellowish or Brownish yellow.	PASSES
IDENTIFICATION		---	--
A) IR Spectrophotometry		Infrared absorption spectrophotometry compare the spectrum with that obtained with polysorbate RS or with the reference spectrum of polysorbate.	PASSES
B) Chemical test		A blue colour is produced.	PASSES
C) Chemical test		The bromine is decolourised.	PASSES
Moisture content	%	Between 0 and 3	2.600
Iodine value	---	Between 18 and 24	19.080
pH (5% Aq.)	---	Between 6 and 8	7.450
Acid value	mgKOH/g	Between 0 and 2	0.200
Hydroxyl value	mgKOH/g	Between 65 and 80	69.160
Saponification value	mgKOH/g	Between 45 and 55	48.160
Reducing impurities	---	Between 0 and 5	0.40
Solubility	---	Soluble in water and in alcohol	PASSES
Sulphated ash	%	Not more than 0.2	< 0.20
Arsenic	ppm	Not more than 1	< 1.0
Heavy metals	ppm	Not more than 10	< 10

MATERIAL CONFORMS WITH ABOVE SPECIFICATIONS

Analysed By

Chemist (QC)

Approved By

Manager (QC)