



Site of manufacture :

Rohm and Haas France S.A.S.
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CERTIFICATE OF ANALYSIS

AMBERLITE™ IRP64, Polacrilex Resin
Code 10029645 **Batch n° A075CCK017**

DETERMINATION / UNIT	TEST METHOD	ACCEPTANCE LIMITS	RESULT
Appearance	Visual inspection (TA059)	White to off-white fine powder Free of foreign matter Free of agglomeration	Pass
Identification (infra-red)	FTIR - derived from USP <197K> (TA024)	Conforms to ref. spectrum (USP Ref. Std)	Pass
Assay (on the dry basis) Exchange capacity "as is" (meq/g)	Titration (TA072)	≥ 10.0	10.6
Purity Testing Sodium content, dried basis (%)	Atomic absorption (038P)	≤ 0.20	0.08
Heavy metals (%) (1/20 lots) ⁽¹⁾	Atomic absorption (038P)	≤ 0.001	Not tested
Iron (%) (1/20 lots) ⁽¹⁾	Atomic absorption (038P)	≤ 0.01	Not tested
Residual methacrylic acid (ppm)	HPLC/UV (TA 075)	≤ 300	215
Water extractable impurities (%)	Gravimetry (TA064)	≤ 2.0	0.5
Naphthalene (limit test) – (ppm)	GC/FID (TA048)	≤ 20	Pass
Physico-chemical Testing Loss on drying (%)	USP <731> (TA068)	≤ 5.0	3.2
Particle Size (%)	Dry sieving method derived from USP <811> and <786> (TA019)	≤ 1.0	0.0
% > 150 µm		15.0 - 30.0	21.1
% > 75 µm		≤ 70.0	47.0
% < 50 µm			
Microbial Purity Total Bacteria (cfu/g)	Ph. Eur. 2.6.12	< 100	< 2
Total Molds (cfu/g)		< 100	< 2

(1) Test frequency is 1/20 lots –when test is performed, the result indicated is numerical – otherwise the report is "not tested"

Certificate model n°:	27-B
Certificate version n°:	06
Control specification version n°:	05
Dates of release :	16.01.2013
(DD.MM.YYYY) of manufacture :	25.12.2012
of retest :	25.12.2014

Name and Title :
☒ Sylvie PROISY : Quality Assurance Manager
☐ Cyril MARTIN : Quality Control Manager (backup)
Conformance : CONFORM
Date and Signature : February 5, 2013

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