

Certificate of Analysis

上海紫江国际贸易有限公司 宝山区顾村镇宝满路 (又名: 广南路258号) 201900 上海 CHINA	Customer Order: PCSH766-18 Ordered Quantity: 45.360 KG Shipped From: ACT CN GUANGZHOU SHAITAI W3P Order Number: 8174432/000010 Delivery: 851742789/000010 Date Shipped: April 04, 2018 Sold To Number: 663260
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PVP K-30 DRUM 45.36KG 1 PVP K-30 Ashland Material Number: 831144	Batch: 0002183538
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Characteristics	Specification	Results
Appearance @ 25 deg. C - Powder	PASS	PASS
Color (APHA, 5% as is aqueous soln, W621)	<= 80	31
K-Value (Viscosity of 1% solids w/v aq. soln, W1307)	28 - 34	31
% Moisture (Karl Fischer, W623)	<= 5.0	3.8
% Ash (residue on ignition or sulphated, W1381)	<= 0.02	0.00
ppm Vinyl Pyrrolidone (GPC, W1512)	< 1000	357
pH (5% as is aqueous solution, W622)	3.0 - 7.0	3.7
% Active Content (100 - % moisture)	>= 95.0	96.2
Date of Manufacture		September 15, 2017
Retest Date		September 14, 2020
Ordered Quantity		45.360 KG

Notes:

Results for Ash reported by the Calvert City Manufacturing facility are based on increased interval testing.

Results Certified by:

Frederic C. Doll
 Director of Quality Assurance & Systems