

## Certificate of Analysis

<b>LAFFORT USA</b> <b>COA CONTACT</b> <b>1460 CADER LANE</b> <b>PETALUMA CA 94954</b>	<b>Customer Order: PO 543</b>  <b>Shipped Quantity: 108.000 DR</b> <b>Shipped From: AIE US CALVERT CITY PLT</b> <b>Order Number: 8862572/000010</b> <b>Delivery: 852768192/000010</b> <b>Date Shipped: April 25, 2024</b> <b>Sold To Number: 707142</b>
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POLYCLAR V DRUM 19.96KG 1  
 Polyclar(TM) V beverage clarifier  
 Ashland Material Number: 830925

Batch: 0002687587

Characteristics	Specification	Results
Appearance @ 25 deg C - White to off white free flowing powder	PASS	PASS
Identification Test (B in USP, W1125) Pass equals Meets ID test	PASS	PASS
pH (1g/100 ml D.I. water, W622)	5.0 - 8.0	5.4
% Moisture (Karl Fischer, W1525)	< 5	4
ppm Vinyl Pyrrolidone (as is, HPLC, W1245)	<= 10	2
% Nitrogen (anhydrous basis, W1118)	11.0 - 12.8	12.4
ppm Heavy Metals W1494)	< 10	2
ppm Lead (W1494)	< 2	1
ppm Arsenic (Anhydrous basis, W1494)	< 2.0	0.9
ppm Mercury (W1494)	< 1	0
ppm Zinc (W1494)	< 5	0
ppm Cadmium (W1494)	< 1	0
% Ash (Residue on Ignition or Sulphated, W1381)	<= 0.4	0.0
ppm Sulphates (W723)	< 1000	101
% Adsorptive Capacity of Oenocyanine (W496)	>= 30	57
% Water Solubles (W1153)	< 0.50	0.45
%Acid/Alcohol Solubles from PVPP (W822)	< 1.0	0.6
% Through 200 Mesh (W1576)	>= 90	96
% Through 400 Mesh (W1576)	45 - 90	81
% Adsorption Efficiency (Salicylic Acid, W271)	>= 30	33
Date of Manufacture		April 07, 2024
Next Retest Date		April 07, 2027
Shipped Quantity		108.000 DR

**Notes:**

Material meets the requirements of PVPP OIV monograph and current Food Chemical Codex. Results for HM, Arsenic, Lead, Nitrogen, Ash, Mercury, Zinc and Cadmium reported by the Calvert City Manufacturing facility are based on increased interval testing.

Results Certified by:  
 Stephen D. Hale

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POLYCLAR V DRUM 19.96KG 1 Polyclar(TM) V beverage clarifier Ashland Material Number: 830925  Batch: 0002687587		
<b>Characteristics</b>	<b>Specification</b>	<b>Results</b>

Quality Systems Manager

This COA is printed from a secure computer system ensuring the batch was properly released by the Quality Department and is valid without signature.

Manufactured by:  
ISP CHEMICALS LLC  
AFFILIATE OF ASHLAND  
455 N. MAIN ST. (HWY 95)  
CALVERT CITY KY 42029  
USA

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