

MATERIAL#: 86538
UNIVAR SOLUTIONS BATCH#: 0084P00554

501001
M7200



1060 N Capitol Ave Suite 6-401, Indianapolis IN 46204-1044

Phone: 317 328-5660 Fax: 317 328 2359 www.calumetspecialty.com

Certificate of Analysis

PO Number: 4527185169
Product: CALUMET MINERAL SPIRIT<1%
Cust Mat No: 86315
Product Code: 300707100000
Batch #: 2409170011
Carrier: 0060001343-A CUSTOMER TRUCK

Order Number: 1482020
Shipping Date: Sep 24, 2024
Date of Mfg: Sep 17, 2024
Qty: 15,020 LB
Container ID: 6419
Truck ID: 4122

Shipping To:

UNIVAR SOLUTIONS USA-SLTNS HOUSTON
8901 GALVESTON RD
HOUSTON TX 77034-3939

Shipping From:

CALUMET REFINING, LLC
1756 OLD HIGHWAY 7
COTTON VALLEY LA 71018-2989

Test Description	Units	Method	Min.	Max.	Results
API GRAVITY @ 60°F		D4052	50.0	57.0	53.3
SPECIFIC GRAVITY @ 60/60°F		D1250			0.7657
POUNDS PER GALLON @ 60°F	lb/gal	D1250			6.384
COLOR, SAYBOLT		D156	28		30
FLASH, TCC (°F)	°F	D56	100		110
FLASH, TCC (°C)	°C	D56	38		43
DISTILLATION, IBP (°F)	°F	D86	300		320
DISTILLATION, 5% (°F)	°F	D86			327
DISTILLATION, 10% (°F)	°F	D86			329
DISTILLATION, 20% (°F)	°F	D86			332
DISTILLATION, 30% (°F)	°F	D86			334
DISTILLATION, 40% (°F)	°F	D86			338
DISTILLATION, 50% (°F)	°F	D86			341
DISTILLATION, 60% (°F)	°F	D86			346
DISTILLATION, 70% (°F)	°F	D86			352
DISTILLATION, 80% (°F)	°F	D86			361

Analysis Certified By :

Daniel Holder
Printed Name

Laboratory Manager
Title

Daniel Holder
Lab Signature/Loader

All sales of Products by Calumet Specialty Products Partners, L.P. and its subsidiaries and affiliates are subject to the applicable terms and conditions of sale at <http://www.calumetspecialty.com/customer-service/terms-of-sale>, which are incorporated herein by reference

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<u>Test Description</u>	<u>Units</u>	<u>Method</u>	<u>Min.</u>	<u>Max.</u>	<u>Results</u>
DISTILLATION, 90% (*F)	*F	D86			377
DISTILLATION, 95% (*F)	*F	D86			394
DISTILLATION, DP (*F)	*F	D86			408
WATER CONTENT	ppm	D1533		500	50
AROMATIC CONTENT, wt %	P/F	D5186		1	PASS
REFRACTIVE INDEX @ 25°C		D1218			1.4219
KAURI-BUTANOL VALUE		D1133			31.0

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