

C of A Scanning Cover Sheet

Created On Date: 04/28/2021

Plant: 0834 LOS ANGELES GARFIELD AVE PLANT

Material: 16140758 KEROSENE DEODRZD DR453

Batch: 0834L01852

Vendor: 9999999999 GENERIC



000000000161407580834L01852

Univar Solutions Batch#: 0834 LO1852
 Material#: 16140758
 Initial AL Date: 5-19-21

MFG Date: 5/3/21
 Exp Date: 5/19/22



2780 Waterfront Pkwy E., Indianapolis IN 46214
 Phone: 317-328-5660 Fax: 317-328-2359 www.calumetspecialty.com

Certificate of Analysis

PO Number: 4524704618
 Product: CALUMET 420-460
 Cust. Mat. No: 16055819
 Product Code: 300345100000
 Lot Number: 2105030046
 Carrier: 0010010087-ELLIOTT TRUCK LINE, INC.

Order Number: 803483
 Shipping Date: May 6, 2021
 Date of Mfg: May 3, 2021
 Qty: 44,140 LB
 Containter ID: 206043
 Truck ID: 416

Billing:
 UNIVAR SOLUTIONS USA
 PO BOX 34325
 SEATTLE WA 98124-1325

Shipping To:
 UNIVAR USA INC.
 2600 Garfield Ave
 Commerce CA 90040-2608

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	43.0	48.0	46.0
SPECIFIC GRAVITY @ 60/60°F		D1250	0.7883	0.8109	0.7972
POUNDS PER GALLON @ 60°F	lb/gal	D1250			6.646
COLOR, SAYBOLT		D156	28		30
FLASH POINT, PMCC (°F)	°F	D93			202
DISTILLATION, IBP (°F)	°F	D86	422		437
DISTILLATION, 5% (°F)	°F	D86			442
DISTILLATION, 10% (°F)	°F	D86			444
DISTILLATION, 20% (°F)	°F	D86			445
DISTILLATION, 30% (°F)	°F	D86			446
DISTILLATION, 40% (°F)	°F	D86			447
DISTILLATION, 50% (°F)	°F	D86			448
DISTILLATION, 60% (°F)	°F	D86			450
DISTILLATION, 70% (°F)	°F	D86			452
DISTILLATION, 80% (°F)	°F	D86			455
DISTILLATION, 90% (°F)	°F	D86			460

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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Test Description	Units	Method	Min.	Max.	Results
DISTILLATION, 95% (°F)	°F	D86			467
DISTILLATION, DP (°F)	°F	D86		475	472
WATER CONTENT (ppm)	ppm	D1533		500	70
MEETS CARB REQUIREMENTS					YES
VAPOR PRESSURE	mmHg20C	CARB-ARB310			0.1

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