



2780 Waterfront Pkwy E., Indianapolis IN 46214

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

Certificate of Analysis

PO Number: 12416
Product: TITANWAX NATURAL 5470 SLAB, CARTON
Cust. Mat. No: 99368
Product Code: 500485130433
Batch #: 2308150107
Carrier: 0060001343-A CUSTOMER TRUCK

Order Number: 1365907
Shipping Date: Feb 27, 2024
Date of Mfg: Aug 17, 2023
Qty: 6,912 LB

Shipping To:
SHAY & CO.
7615 N UPLAND DR
PORTLAND OR 97203-6108

Shipping From:
CALUMET REFINING, LLC
301 S. BUTTERFIELD ROAD
MUNCIE IN 47303-4317

<u>Test Description</u>	<u>Units</u>	<u>Method</u>	<u>Min.</u>	<u>Max.</u>	<u>Results</u>
APPEARANCE		VISUAL	B/C		B/C
LOVIBOND COLOR 2" CELL, RED		IP 17		2.00	1.10
LOVIBOND COLOR 2" CELL, YELLOW		IP 17		5.00	6.50
VISCOSITY @ 210°F	SUS	D2161			57.3
MELTING POINT (°F)	°F	D87	122.0	130.0	125.6
PENETRATION @ 77°F	dmm	D1321	35.0	55.0	67.0
CONGEALING POINT	°F	D938	108.0	130.0	115.0

Analysis Certified By : Jim Neal Wax Blends Product and Business Manager
Printed Name Title Lab Signature/Loader

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