

Third Party Results

Report: 19-0401

Customer: World Oil Refining — Gus Moreno

Samples submitted:

One quart of asphalt identified as:

Type III, Tank 1233
03-28-19, 7:00 PM
ID #032819-063

Requested Testing:

Test the submitted sample for compliance to the provided specification.

Summary of Testing:

Testing was performed using appropriate protocol. Test methods and test data are as follows:

	ASTM Test Method	Test Result	Specification
Softening Point, °F	D36	196	194-200
Flash Point, COC, °F	D92	619	575 Min.
Penetration, 77°F, 100g, 5s	D5	26	21 Min.
Penetration, 32°F, 200g, 60s	D5	14	6 Min.
Penetration, 115°F, 50g, 5s	05	41	90 Max.
Ductility, 25°C, cm	D113	2.5	2.5 Min.
Solubility in Trichloroethylene, %	D2042	99.8	99.4 Min.
EVT at 125 cP (MOPP)	D4402	395	405 ± 25
EVT at 75 cP (MECH)	D4402	425	445 ± 25
Rolling Thin Film Oven Aging	D2872		
Mass Change	D2872	-0.095	Report

*Denotes an out of compliance value

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Test data reported herein have been secured by reliable testing procedures. As we have no knowledge or control of the conditions that may affect the use of material from which samples were taken, we assume no responsibility in furnishing this data other than to warrant that they represent reliable measurements of the properties of the sample(s) received and tested. No warranties expressed or implied, including warranties of merchantability or fitness for a particular use, are made with respect to the products described herein. Nothing contained herein shall constitute a permission or recommendation to practice any invention covered by a patent without license from the owner of the patent.