

AFTON CHEMICAL CORPORATION  
P.O. BOX 2158  
23219, RICHMOND  
United States



Attention of : B Maddock  
Your reference : PO: 4556411-1

## Analysis Report

Report number : 13072/00010299.1/L/20 Submitted date : 11-17-2020  
Sample submitted at : Saybolt LP, Deer Park  
Report Date : 11-19-2020 Date received : 11-17-2020  
Date of issue : 11-19-2020 Date completed : 11-19-2020  
Sample object : Afton Chemical- Richmond Sample number : 10794145  
Sample type : Submitted  
Sample submitted as : Gasoline  
Marked : R20-012893-L01

NAME	METHOD	UNIT	RESULT
API Gravity	ASTM D 4052	°API	59.3
Distillation	ASTM D 86		
Initial boiling point		°F	84.0
5% Evaporated		°F	108.5
10% Evaporated		°F	121.7
20% Evaporated		°F	140.5
30% Evaporated		°F	162.2
40% Evaporated		°F	189.8
50% Evaporated		°F	216.4
60% Evaporated		°F	230.7
70% Evaporated		°F	241.7
80% Evaporated		°F	259.5
90% Evaporated		°F	311.5
95% Evaporated		°F	337.6
Final boiling point		°F	383.3
Recovery		vol %	97.6
Residue		vol %	1.1
Loss		vol %	1.3
Evaporated at 200 °F		vol %	43.3
Evaporated at 300 °F		vol %	88.3
Heat Of Combustion, Net	ASTM D 3338	Btu/lb	18476
Hydrocarbon Type FIA	ASTM D 1319		
Aromatics		vol %	27.2
Olefins		vol %	0.7
Saturates		vol %	72.1
Sulfur	ASTM D 5453	mg/kg	2.4
Vapor Pressure	ASTM D 5191		

All results in this report refer to the sample(s) tested as taken or submitted like specified in this Analysis report. Uncertainties, available on request, apply in the evaluation of the test results. All tests are conducted according to the latest version of the methods, unless another version is specifically indicated. Where available and for convenience purposes, the tested sample has been checked for compliance with supplied specifications, without accepting any liability. In case of dispute or concern, we refer to the interpretation of test results as defined in ASTM D3244, IP 367, ISO 4259 or GOST 33701. This report shall not be partially copied and reproduced without the written permission of the laboratory.

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### Analysis Report

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Marked : R20-012893-L01

NAME	METHOD	UNIT	RESULT
Vapor Pressure, EPA Eq.		psi@100F	9.01
Vapor Pressure, ASTM Eq.		psi@100F	8.90

Signed by: Sandra Kaluza - Laboratory Coordinator  
Issued by: Saybolt LP  
Place and date of issue: Deer Park - 11-19-2020

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