



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

LABORATORY & ON-STREAM ANALYSER DIVISION, SAUDI ARAMCO TOTAL REFINING
AND PETROCHEMICAL COMPANY

LAB & OSA Division
Saudi Aramco Total Refining and Petrochemical Company
4048 Unit No. 1
Al Jubail, Saudi Arabia
Kameswara Bhamidipathi
Kameswara.bhamidipathi@satorp.com
Cisco: +966 13 356 9687

CHEMICAL

Valid To: December 31, 2023

Certificate Number: 3886.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on petroleum products:

Test

Test Method(s)

Naphtha

Density @15°C	ASTM D4052
Color - Saybolt	ASTM D156
Total Sulfur	ASTM D5453
Paraffin	ASTM D6839
n-Paraffins	ASTM D6839
Olefins	ASTM D6839
IBP	ASTM D86
FBP	ASTM D86

Gasoline

Density	ASTM D4052
Color - Visual	VISUAL
Washed Gum	ASTM D381
Doctor Test	ASTM D4952
Mercaptan Sulfur	ASTM D3227
Total Sulfur	ASTM D5453
Aromatics Content	ASTM D6839

Test**Test Method(s)****Gasoline (continued)**

Copper Corrosion @50°C, 3hrs	ASTM D130
Induction Period	ASTM D525
IBP: 10% Evaporated, 50% Evaporated, 90% Evaporated, FBP, Residue, Loss	ASTM D86

Gasoil

Appearance	ASTM D4176, E2680
Cetane Index	ASTM D4737
Carbon Residue	ASTM D4530
CFPP	IP 309
Color	ASTM D1500
Electrical Conductivity	ASTM D2624
Copper Corrosion 3hrs @ 50°C	ASTM D130
Density at 15°C	ASTM D4052
10% Recovery, 50% Recovery, 90% Recovery, 95% Recovered, % Recovery at 250°C, % Recovery at 350°C	ASTM D86
Flash Point (PMCC)	ASTM D93
Oxidation Stability	ASTM D2274
Total Contamination	ASTM D6217
Total Sulfur	ASTM D5453
Water Content	ASTM D6304
BS & W	ASTM D2709

Jet Fuel A1

Appearance	ASTM D4176, E2680
Particulate Contamination, at the Point of Manufacture	ASTM D5452
Total Acidity	ASTM D3242
Total Sulfur	ASTM D5453
Mercaptan Sulfur	ASTM D3227
Distillation - IBP: 10% Recovery, 50% Recovery, 90% Recovery, FBP, Residue, Loss	ASTM D86
Flash Point - Abel	IP 170
Density @15°C	ASTM D4052



Test**Test Method(s)****Jet Fuel A1 (continued)**

Freezing Point	ASTM D7153
Color - Saybolt	ASTM D156
Specific Energy	ASTM D3338
Copper Corrosion @ 100°C/2hrs	ASTM D130
Existent Gum	ASTM D381
MSEP with Additive	ASTM D3948
Electrical Conductivity	ASTM D2624

Benzene

Specific Gravity @ 60°F	ASTM D4052
Acid Wash Color	ASTM D848
Solidification Point	ASTM D852
Appearance	ASTM D4176, E2680
Nitrogen	ASTM D7184
Bromine Index	ASTM D1492

Paraxylene

Para Xylene Purity:	ASTM D5917
M-Xylene, O-Xylene, Ethyl Benzene, Non-Aromatics, Toluene	
Distillation Range	ASTM D850
Acid Wash Color	ASTM D848
Appearance	ASTM D4176, E2680



Accredited Laboratory

A2LA has accredited

LABORATORY & ON-STREAM ANALYSER DIVISION, SAUDI ARAMCO TOTAL REFINING AND PETROCHEMICAL COMPANY

Al Jubail, Saudi Arabia

for technical competence in the field of

Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 2nd day of February 2022.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3886.01
Valid to December 31, 2023

For the types of tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.