



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड
(भारत सरकार उपक्रम) पंजीकृत कार्यालय : 17, जमशेदजी टाटा रोड, मुंबई - 400 020.
HINDUSTAN PETROLEUM CORPORATION LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE) REGISTERED OFFICE : 17, JAMSHEDJI TATA ROAD, MUMBAI-400 020.



मुंबई रिफाइनरी प्रयोगशाला, पो. ऑ. बॉक्स नं. 18820, बी.डी.पाटील मार्ग, माहुल, मुंबई -400 074.
MUMBAI REFINERY LABORATORY, P.O. BOX NO. 18820, B.D. PATIL MARG, MAHUL, MUMBAI - 400 074.
टेलिफोन : TELEPHONE : 2507 6000, फॅक्स : Fax : 2554 2008, तार - हिनरिफ TELEGRAM - HINREF
(एनएबीएल द्वारा आईएसओ / आईईसी 17025 : 2017 प्रमाणित प्रयोगशाला)

(NABL Accredited ISO/IEC 17025: 2017 Laboratory)

LABORATORY TEST REPORT - FUEL OIL 380 cSt Bunker grade

Date : August 8, 2026 Testing Laboratory : MUMBAI REFINERY
Lab Serial No. : S-2955 Storage Tank No. : TK 2A
Batch No. : IFO/HRM/TK_2A/S-2955/26 Type of Sample : Composite
Source of Sample : OMCC Reason of Testing : Certification
Date of Sample Drawn : 07.08.2026
Sample Drawn by : OMCC PERSONNEL Date of Receipt in Lab : 07.08.2026

SN	Characteristics	Unit	Method of Test [P] of IS:1448 / ISO	Result	Requirement
1	Kinematic viscosity at 50 deg.C	mm ² /s	ISO 3104	170.9	380 Max
2	Density at 15 deg.C	kg/m ³	ISO 12185	956.1	991.0 Max
3	CCAI	-	Section 6.2 ISO 8217:2017	825.9	870 Max
4	Sulphur	mass %	ASTM D4294	2.90	3.50 Max
5	Flash point (PMCC)	°C	ISO 2719	84.0	60 Min
6	Hydrogen Sulfide	mg/Kg	IP 570	0.1	2.0 Max
7	Acid Number	mg KOH/g	ASTM D664	0.1	2.5 Max
8	Total Sediment	mass %	ISO 10307-2	0.025	0.10 Max
9	Carbon Residue - Micro Method	mass %	ISO 10370	14.89	18.0 Max
10	Pour point	°C	ISO 3016	0	+ 30 Max
11	Water	% vol.	ISO 3733	0.50	0.50 Max
12	Ash	mass%	ISO 6245	0.021	0.1 Max

Remarks : Sample FO 380 cSt meets the ISO 8217:2024 Seventh Edition specification in the above tests.

Note: 1 The test results relates only to the sample tested
2 Test certificate in part shall not be reproduced unless written permission is obtained from Mumbai Refinery Laboratory of M/s HPCL, Mumbai - 400 074.

Authorised Signatory
For and on behalf of
HPCL, Mumbai Refinery

संतोष र नाईक
Santosh R Naik
गुणवत्ता नियंत्रण अधिकारी - गु.नि. प्रयोगशाला
Quality Control Officer - Q.C. Laboratory
एचपीसीएल-मुंबई रिफायनरी
HPCL - Mumbai Refinery



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टेलीफोन : TELEPHONE :2507 6000, फॅक्स : FAX : 25542008, तार - हिनरिफ : TELEGRAM- HINREF

CIN : L23201MH1952GO1008858

LABORATORY TEST REPORT - FUEL OIL 380 cSt Bunker grade

Date	: August 8, 2026	Testing Laboratory	: MUMBAI REFINERY
Lab Serial No.	: S-2955	Storage Tank No.	: 2A
Batch No.	: IFO/HRM/TK_2A/S-2955/26	Type of Sample	: Composite
Source of Sample	: OMCC	Reason of Testing	: Certification
		Date of Sample Drawn	: 07.08.2026
Sample Drawn by	: OMCC PERSONNEL	Date of Receipt in Lab	: 07.08.2026

SN	Characteristics	Unit	Method of Test [P] of IS:1448 / ISO	Result	Requirement
13	Vanadium	mg/kg	IP 501	55	350 Max
14	Sodium	mg/kg	IP 501	9	100 Max
15	Aluminum Plus Silicon	mg/kg	IP 501	21	60 Max
16	# Used Lubricating Oil	Calcium	mg/kg	1	30 Max
17		Zinc	mg/kg	<1	15 Max

Remarks : Sample FO 380 cSt meets the ISO 8217:2024 Seventh Edition specification in the above tests.

- Note:**
- 1 The test results relates only to the sample tested
 - 2 Test certificate in part shall not be reproduced unless written permission is obtained from Mumbai Refinery Laboratory of M/s HPCL, Mumbai - 400 074.
 - 3 Above Tests are carried out at M/s SGS Laboratories Pvt. Ltd. Thane
 - 4 # The Sample is free from Used Lubricating Oil as per clause 6.17 of ISO 8217:2017

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For and on behalf of
HPCL, Mumbai Refinery

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