

Report of Analysis



Intertek India Private Limited
"F" wing Tex Centre,
26-A, Chandivali Farm Road,
Off. Saki Vihar Road, Andheri (East)
Mumbai – 400 072, India.
Tel : +91 22 42450100
www.intertek.com

TC-12141

Report No.: MUM/002957/2025		Report Date: 07.07.2025
Customer Name:	KG Chem	
Contact Person:	Mr. Pramod Garg	
Address:	Sy No.41/5 4 th Cross, Jigani Hobli, Anekal Taluk, Nanjapura, Bangalore 560105	
Sample submitted as:	Diesel Exhaust Fluid (DEF)	
Description on label/Sample Bottle:	Non Emission Fluid DEF	

Sample Number	19586801	Date of Sample Recieved:	04.07.2025
Date of Job started:	04.07.2025	Date of Job Completed:	07.07.2025

ULR No.	TC1214125000002957F	Discipline:	Chemical	Group:	Petroleum Product
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<u>Sr. No.</u>	<u>Test</u>	<u>Method</u>	<u>Unit</u>	<u>Specification</u>	<u>Results</u>
1	Urea Content	ISO 22241-2 Annex C	%m/m	31.8 - 33.2	31.96
2	Refractive Index@ 20°C	ISO 22241-2 Annex C	-	1,3814-1.3843	1.3822
3	Alkalinity as NH ₃	ISO 22241-2 Annex D	%m/m	Max 0.2	0.01
4	Biuret	ISO 22241-2 Annex E	%m/m	Max 0.3	0.23
5	Aldehydes	ISO 22241-2 Annex F	mg/kg	Max 5	0.21
6	Insoluble Matter	ISO 22241-2 Annex G	mg/kg	Max 20	5.0
7	Phosphate	ISO 22241-2 Annex H	mg/kg	Max 0.5	0.38
8	Calcium	ISO 22241-2 Annex I	mg/kg	Max 0.5	0.13
9	Iron			Max 0.5	0.09
10	Copper			Max 0.2	0.10
11	Zinc			Max 0.2	0.10
12	Chromium			Max 0.2	0.09
13	Nickel			Max 0.2	0.09
14	Aluminum			Max 0.5	0.10
15	Magnesium			Max 0.5	0.11
16	Sodium			Max 0.5	0.08
17	Potassium			Max 0.5	0.08

Remark: Submitted sample confirm with ISO 22241 specification w.r.t. above tested parameters.

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Note : The results reported relate to the sample tested only. Latest version of designated test methods has been used wherever it requires. The Test Certificate shall not be reproduced in full or part without the written permission of INTERTEK. The sample(s) has been not drawn/sampled by INTERTEK LAB. The reported result(s) provide no warranty or verification on the sample(s) representing any specific goods and / or shipment and only relate to the sample(s) as received and tested. This report was prepared solely for the use of the client named in this report. **Intertek** disclaims any and all liability for damage or injury which results in the use of the information contained herein and accepts no responsibility for any loss, damage or liability suffered by a third party as a result of any reliance upon or use of this report. All jobs are performed as per Intertek terms & Conditions available at <http://www.intertek.com/terms/> or can be made available on request.

QF No: IPL/17025/QF/7.8/01	Issue No: 03	Issue Date :01.03.2024	Amendment No: 00	Amendment Date: 00.00.0000
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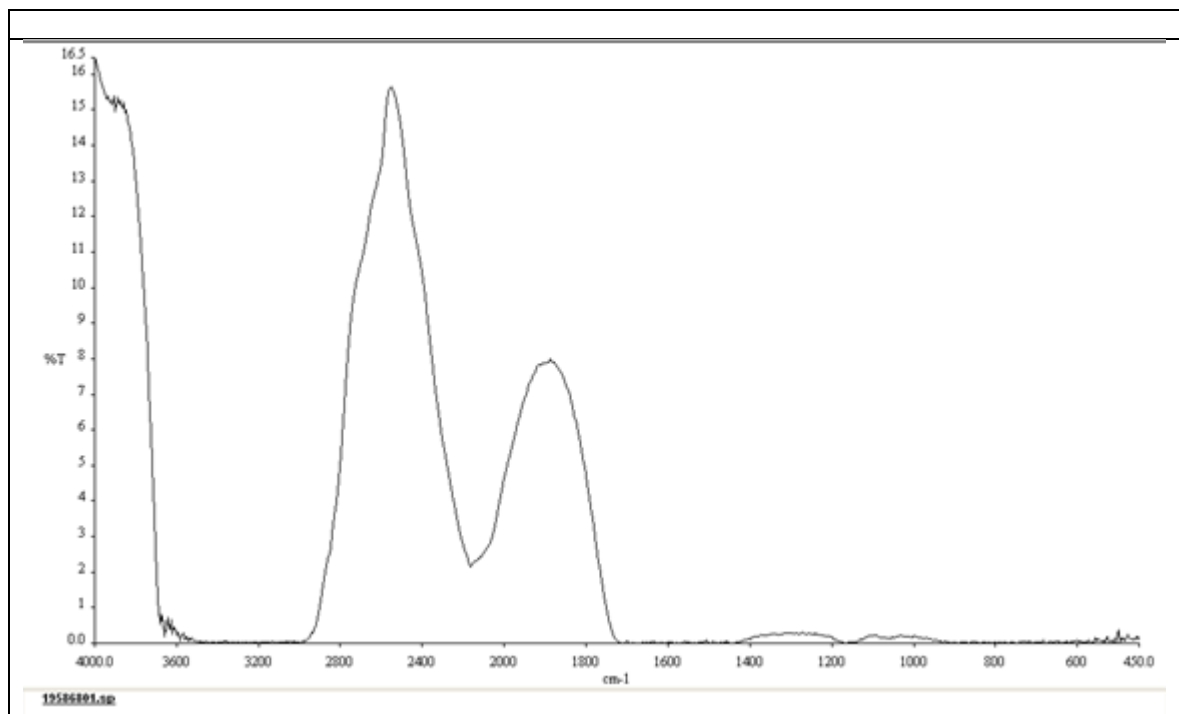


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FTIR Spectra (ISO 22241-2 Annex-J)



Authorized Signatory

Milind Madan Aklujkar
Asst. Manager - Technical

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