


TEST REPORT

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Test Report No.	: ERL/2023-24/3000034111A	Date: 17/01/2024
ULR No.	: TC508524300000015F	
Discipline	: Chemical	
Group	: Petroleum and products	

1.	SO No.	: 3000034111
2.	Customer's Name	: M/s. AST ENVIRONMENT SOLUTIONS PRIVATE LIMITED
3.	Customer's Address	: G.I.D.C, 299-300, MAKARPURA VADODARA, VADODARA VADODARA-390010 State code: 24 Gujarat
4.	Letter reference and date	: E-mail reference dt 02/01/2024
5.	Kind Attention	: Mr. Hemang Maniar Plant Head
6.	Service requirements	: Testing of Diesel Exhaust Fluid Sample as per IS 17042 Part 2:2020/ ISO 22241-2:2019
7.	No. of Samples	: 01
8.	No. of pages	: 02
9.	Test Report Prepared By	:  Dr. YAMINI PATIL DEPUTY MANAGER
10.	Test Report Verified & Approved By	: M. A. BAWASE GENERAL MANAGER

Place of Issue: PUNE

Date of Issue: 17/01/2024

DISCLAIMER:

This test report pertains only to the components / parts / assemblies / vehicles etc. actually tested at ARAI in the presented condition based on the documents / information produced / submitted by the customer. The issuance of this test report alone does not indicate any measure of approval, certification, supervision, control of quality surveillance by ARAI of the product. No extract, abridgement or abstraction from this test report shall be published or used to advertise the product without the written consent of the Director, ARAI, who reserves the absolute right to agree or reject all or any of the details of any items of publicity for which consent may be sought. ARAI is in no way responsible for any misuse of copying of any design / type / system in connection with entire vehicle / components / parts and assemblies. Breach of any statutory provision of Indian laws or laws of other countries, will be the sole responsibility of the customer and ARAI shall not be liable for any claims or damages, made by the party, whatsoever, the customer shall alone be liable for the same, and undertakes to indemnify ARAI in this regard. Further, the ARAI has the right to initiate cancellation / withdrawal of the certificate issued, in case of any fraud, misrepresentation, when it surfaces and comes in the knowledge of ARAI. **The appropriate local courts at Pune shall have the jurisdiction in respect of any dispute, claim or liability arising out of this report.**

ARAI will preserve the tested samples for a period of ONE month from the date of issue of the test report. Queries, if any, regarding the sample or the test report, will be entertained / attended to in this stipulated period of ONE month only. Further, all the related test standards, drawings supplied by customer, letters, e mails etc. exchanged with respect to this test work will be preserved in our custody for a span of only THREE years from the date of the test report



TC-5085
An ISO 9001, ISO 14001, ISO 45001 and ISO/IEC 27001 Certified Organization

TEST REPORT

Customer's Name : M/s. AST ENVIRONMENT SOLUTIONS PRIVATE LIMITED
 Service requirement : Testing of Diesel Exhaust Fluid Sample
 Sample Received date : 05/01/2024
 Condition of sample : Sample received in good condition
 Sampling : Sampling done by customer
 Duration of testing : 09/01/2024 to 11/01/2024

1.0 Sample details as submitted by customer:

Sample Name : AST Env
 Lot No : -
 Batch No. : -
 Date sampled : 04/01/2024
 Other information : -

2.0 TEST RESULTS

Observation Table 1: IS 17042 Part 2:2020/ ISO 22241-2:2019

Sr. No.	Characteristics	Test methods IS 17042 Part 2:2020/ ISO 22241-2:2019	Unit	Limits as per IS 17042 Part 2:2020/ ISO 22241-2:2019		Date of Testing	Test result
				Min.	Max.		
1.	Urea content	Annex C	% (m/m)	31.8	33.2	09/01/2024	32.18
2.	Refractive index at 20 °C	Annex C	---	1.3814	1.3843	09/01/2024	1.3826
3.	Alkalinity as NH ₃	Annex D	% (m/m)	---	0.2	11/01/2024	< 0.1
4.	Biuret	Annex E	% (m/m)	---	0.3	10/01/2024	0.29
5.	Aldehydes	Annex F	mg/kg	---	5	10/01/2024	< 0.5
6.	Insoluble matter	Annex G	mg/kg	---	20	10/01/2024	6.20
7.	Phosphate (PO ₄)	Annex H	mg/kg	---	0.5	11/01/2024	0.05
8.	Identity	Annex J	---	Identical to reference		10/01/2024	Identical

Test Report Prepared By



Dr. YAMINI PATIL
DEPUTY MANAGER

Test Report Verified & Approved By

M. A. BAWASE
GENERAL MANAGER