

TEST REPORT

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Test Report No.	:	ERL/2026-27/3000055296A	Date: 27/08/2026
ULR No.	:	TC508526300000391F	
Discipline	:	Chemical	
Group	:	Petroleum and products	

1.	SO No.	:	3000055296
2.	Customer's Name	:	M/s. Varadhi Ecosystems
3.	Customer's Address	:	Ground Floor, 86, 4th Cross, Defence Colony, 16th E Main Road, Sahakara Nagar Bengaluru, Bengaluru Urban Bengaluru Urban-560092
4.	Letter reference and date	:	E-mail reference dt 18-July-2026
5.	Kind Attention	:	Mr. Saikrishna Domala, Partner
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

Signature	PREPARED BY	REVIEWED & APPROVED BY
		
Name	Dr. YAMINI PATIL	M. A. BAWASE
Designation	Sr. MANAGER	Sr. GENERAL MANAGER

Place of Issue: PUNE

Date of Issue: 27/08/2026

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TC-5085

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TEST REPORT

Customer's Name : M/s. Varadhi Ecosystems
Service requirement : Testing of Diesel Exhaust Fluid Sample
Sample Received date : 10/08/2026
Condition of sample : Sample received in good condition
Sampling : Sampling done by customer

1.0 Sample details as submitted by customer:

Sample Name : DEF – 2L Plastic container
Lot No : NA
Batch No. : VBL – 260706N010N
Date sampled : 06/07/2026
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	18/08/2026	32.36
2.	Refractive index at 20 °C	Annex C	---	1.3814	1.3843	18/08/2026	1.3829
3.	Alkalinity as NH ₃	Annex D	% (m/m)	---	0.2	18/08/2026	< 0.1
4.	Biuret	Annex E	% (m/m)	---	0.3	20/08/2026	0.29
5.	Aldehydes	Annex F	mg/kg	---	5	19/08/2026	4.31
6.	Insoluble matter	Annex G	mg/kg	---	20	20/08/2026	2.00
7.	Phosphate (PO ₄)	Annex H	mg/kg	---	0.5	20/08/2026	< 0.05
8.	Identity	Annex J	---	Identical to reference		19/08/2026	Identical to reference

Test Report Prepared By


Dr. YAMINI PATIL
Sr. MANAGER

Test Report Verified & Approved By

M. A. BAWASE
Sr. GENERAL MANAGER