CHEMTECH LABORATORIES

TC-7695

TEST REPORT

CUSTOMER INFORMATION	REPORT INFORMATION
Enviroblue lubrications Survey no 75/3 Avarthi village, koppa post, periyapattana tq,Mysore Mysore, 571104 Karnataka, India Kind Attn. : Prabhakaran Customer Reference : -- Customer Reference Date : --	**ULR No.** : **TC769524100012852F** **Report No.** : **R01-241200476.001A** Report Date : 27/12/2024 Sample No. : S01-241200476.001 Date Started : 21/12/2024 Date Ended : 27/12/2024 Test Discipline : Chemical Tested At : Parvati Lab

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SAMPLE DETAILS

Product Group	: Diesel Exhaust Fluid	Product	: Ad Blue
Product Subgroup	: NOx Reduction Agent		

SAMPLE DETAILS (As received from customer)

Sample Condition	: Properly Packed and Labelled	Date Received	: 19/12/2024
Sample Quantity	: 1.0 ltr x 1 Nos.	Date Registered	: 21/12/2024
Sample Description	: Ad Blue Analysis		

Sr. No.	TEST DESCRIPTION		RESULT	LIMITS	TEST METHOD
	REQUIREMENTS AS PER ISO 22241 FOR DEF				
1.	Urea Content	% by Wt.	32.1	31.8 - 33.2	ISO-22241-2-2019-Annex. C
2.	Refractive Index	-	1.3841	1.3814 - 1.3843	ISO-22241-2-2019-Annex C
3.	Alkalinity as NH3	% by Wt.	<0.01	Max 0.2	ISO-22241-2-2019-Annex D
4.	Biuret Content	% by Wt.	0.28	Max 0.3	ISO-22241-2-2019-Annex. E
5.	Aldehyde Content	mg/kg	3.8	Max 5	ISO-22241-2-2019-Annex. F
6.	Insoluble Matter	mg/kg	6.0	Max 20	ISO-22241-2-2019-Annex G
7.	Phosphate	mg/kg	0.14	Max 0.5	ISO-22241-2-2019-Annex. H
8.	FTIR Analysis (Qualitative)	--	Identical to the reference	--	ISO-22241-2-2019-Annex. J
9.	Trace Elements by ICP-OES	--	--	--	ISO-22241-2-2019-Annex I
	Aluminium Content	mg/kg	<0.1	Max 0.5	
	Calcium Content	mg/kg	0.38	Max 0.5	
	Chromium Content	mg/kg	<0.1	Max 0.2	
	Copper Content	mg/kg	<0.1	Max 0.2	
	Iron Content	mg/kg	<0.1	Max 0.5	
	Potassium Content	mg/kg	<0.1	Max 0.5	
	Magnesium Content	mg/kg	<0.1	Max 0.5	
	Sodium Content	mg/kg	0.38	Max 0.5	
	Nickel Content	mg/kg	<0.1	Max 0.2	
	Zinc Content	mg/kg	<0.1	Max 0.2	
	Phosphorous Content	mg/kg	<0.1	--	

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Remarks: Sample meet the requirement of DEF as per standard ISO 22241-1:2019

CHEM-TECH LABORATORIES PVT. LTD. ★ PUNE

Authorised By:

Smita Subandh
Laboratory Manager
Discipline: Chemical

Terms & Conditions:

1. Sampling is done by the customer. The test result pertains to the sample received for testing without prejudice to its lot, batches, source, or process.
2. Comments given in the report are advisory only & shall not be used in case of legal matters. Test Reports shall not be reproduced without the written consent of Chem-Tech Laboratories.
3. Sample will be retained for 30 days from the date of issue of test report unless otherwise specified.