

TEST REPORT

CUSTOMER INFORMATION		REPORT INFORMATION	
Gblue Technology Pvt Ltd G-120, Maharashtra Industrial Development Corporation Area, Baramati, Gojubavi, Maharashtra Baramati, 413133 Maharashtra, India Kind Attn. : Saurabh Kale Customer Reference : -- Customer Reference Date : --		ULR No. : TC769525100012060F Report No. : R01-251000404.001A Report Date : 31/10/2025 Sample No. : S01-251000404.001 Date Started : 28/10/2025 Date Ended : 31/10/2025 Test Discipline : Chemical Tested At : Parvati Lab	 Authenticity check QR code

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	: 18/10/2025
Sample Quantity	: 1.0 ltr x 1 Nos.	Date Registered	: 28/10/2025
Sample Description	: AdBlue Sample		

Sr. No.	TEST DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD
REQUIREMENTS AS PER ISO 22241 FOR DEF					
1.	Urea Content	% by Wt.	32.4	31.8 - 33.2	ISO-22241-2-2019-Annex. C
2.	Refractive Index	-	1.3830	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.	0.29	Max 0.3	ISO-22241-2-2019-Annex. E
5.	Aldehyde Content	mg/kg	<0.5	Max 5	ISO-22241-2-2019-Annex. F
6.	Insoluble Matter	mg/kg	4.0	Max 20	ISO-22241-2-2019-Annex G
7.	Phosphate	mg/kg	<0.1	Max 0.5	ISO-22241-2-2019-Annex. H
8.	Trace Elements by ICP-OES	--	--	--	ISO-22241-2-2019-Annex I
	Aluminium Content	mg/kg	<0.1	Max 0.5	
	Calcium Content	mg/kg	0.25	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	0.07	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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Baramati, 413133		Report Date	: 31/10/2025
Maharashtra, India		Sample No.	: S01-251000404.001
Kind Attn. : Saurabh Kale		Date Started	: 28/10/2025
Customer Reference : --		Date Ended	: 31/10/2025
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Date		Tested At	: Parvati Lab



Authenticity check
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OTHERS			
9. FTIR Analysis (Qualitative)	--	Identical to the reference	-- ISO-22241-2-2019-Annex. J

Remarks: Sample meets the requirement of DEF as per standard ISO 22241-1:2019 for all tested parameters.



Authorised By:



Smita Subandhu
Laboratory Manager
Discipline: Chemical

Terms & Conditions:

- 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.
- 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.
- Sample will be retained for 30 days from the date of issue of test report unless otherwise specified.