


TEST REPORT


CUSTOMER INFORMATION		REPORT INFORMATION	
Gblue Technology Pvt Ltd G-120, Maharashtra Industrial Development Corporation Area, Baramati, Gojubavi, Maharashtra Baramati, 413133 Maharashtra, India		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
Kind Attn. : Saurabh Kale			
Customer Reference : --			
Customer Reference : --			
Date			

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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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 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.