

Customer: Crosschem SRL
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Customer No. CC Moldova
Date of sample manufacture: 12.12.2025. 9:30
Test report date: 17.12.2025. 17:05
Customer sample No.: 015
CrossChem laboratory No.: LAB-942
Type of sample and quantity: AdBlue/AUS32; ~1 L
Visual analysis of the sample: Clear liquid, without sediment, no oil.

Customer notes: -
Order identification: LAB-942
Date of application: 12.12.2025.
Sample receipt date: 16.12.2025. 15:20
Sample registration date: 16.12.2025. 15:45
Start date of testing: 17.12.2025. 9:00
End date of testing: 17.12.2025. 16:30
Date of result notification: 17.12.2025. 17:10
Sampling: Sampling done by customer.
Sampling report No.: -
Seal No.: -

Parameter	Method	Unit	Result	Uncertainty	Specification according to ISO 22241-1:2019	
					Min.	Max.
Urea concentration	ISO 22241-2:2019; Annex C	W% (m/m)	32.8	± 0.2	31.8	33.2
Density (20°C)	LVS EN ISO 12185:2024	kg/m³	1091.0	± 0.5	1087.0	1093.0
Refractive index (nD20)	ISO 22241-2:2019; Annex C	-	1.3833	± 0.0003	1.3814	1.3843
Alkalinity (as NH ₃)	ISO 22241-2:2019; Annex D	W% (m/m)	<0.01	-	-	0.2
Concentration of biuret	ISO 22241-2:2019; Annex E	W% (m/m)	0.15	± 0.02	-	0.3
Concentration of aldehydes	ISO 22241-2:2019; Annex F	mg/kg	0.3	± 0.1	-	5
Insoluble particles	ISO 22241-2:2019; Annex G	mg/kg	10.5	± 3.7	-	20
Concentration of phosphates (PO ₄)	ISO 22241-2:2019; Annex I	mg/kg	<0.05	-	-	< 0.5
Aluminium (Al)	ISO 22241-2:2019; Annex I	mg/kg	<0.01	-	-	< 0.5
Calcium (Ca)	ISO 22241-2:2019; Annex I	mg/kg	0.09	± 0.01	-	< 0.5
Chromium (Cr)	ISO 22241-2:2019; Annex I	mg/kg	<0.01	-	-	< 0.2
Copper (Cu)	ISO 22241-2:2019; Annex I	mg/kg	<0.02	-	-	< 0.2
Iron (Fe)	ISO 22241-2:2019; Annex I	mg/kg	<0.01	-	-	< 0.5
Potassium (K)	ISO 22241-2:2019; Annex I	mg/kg	<0.10	-	-	< 0.5
Magnesium (Mg)	ISO 22241-2:2019; Annex I	mg/kg	0.04	± 0.01	-	< 0.5
Sodium (Na)	ISO 22241-2:2019; Annex I	mg/kg	0.14	± 0.02	-	< 0.5
Nickel (Ni)	ISO 22241-2:2019; Annex I	mg/kg	<0.02	-	-	< 0.2
Zinc (Zn)	ISO 22241-2:2019; Annex I	mg/kg	<0.02	-	-	< 0.2
Identity	ISO 22241-2:2019; Annex J	-	Conforms	-	Identical to reference	

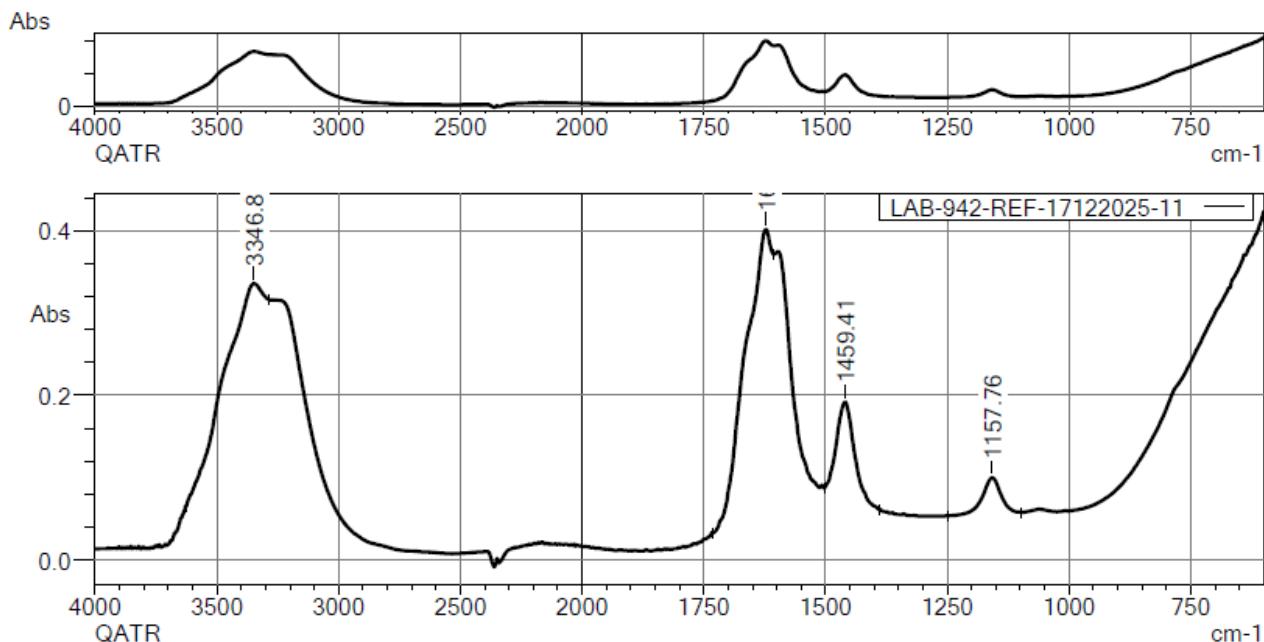
The statement of conformity refers to the results obtained from the testing of sample LAB-942. Declaration of conformity: The sample LAB-942 complies with the requirements of the ISO 22241-1:2019 standard. The decision was made based on the test data obtained for the specific sample and comparing them with the requirements of the ISO 22241-1:2019 standard, as well as based on the assessment of the Head of the Laboratory of the compliance of the test data with the ISO 22241-1:2019 standard. Measurement uncertainty is not taken into account when declaring a statement of conformity.

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The sampling process was provided by the customer. The test result only applies to the respective delivered sample! SIA "CrossChem" laboratory is not responsible for the information provided by the customer about the sample. The information provided by the customer may affect the reliability of the results. This report refers only to the above-mentioned sample, and it can only be reproduced in its entirety, without approval from SIA "CrossChem" laboratory. Without the written permission of SIA "CrossChem" laboratory, reproduction of the test report, partly, is prohibited! The obtained results constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample. SIA "CrossChem" accepts no liability with regard to the origin or source from which the sample is obtained. The sample shall be retained for thirty (30) days from the date of the test report. The laboratory is responsible for all information in the test report, except for information provided by the customer. For more information, please see our terms and conditions at www.crosschem.lv. Abbreviations used: MDL - detection limit of the method; QL - quantifiable concentration. Results lower than the MDL are marked with a "<". The uncertainty of the result is shown if the result is greater than or equal to the QL. The quoted uncertainty is the expanded uncertainty calculated using the Type A (statistical) approach and an overlap factor of 2, which provides a 95% confidence level. The test report and results are prepared electronically and are valid without a signature.

LAB-942-REF-17122025-1

12/17/2025 4:25:20 PM



Item	Value
Acquired Date&Time	12/17/2025 4:14:08 PM
Acquired by	System Administrator
Filename	C:\LabSolutions\LabSolutionsIR\Data\CrossChem\LAB-942-REF-17122025-11.ispd
Measure Parameter File	C:\LabSolutions\LabSolutionsIR\Parameters\CrossChem\AdBlue.iscp
Report Template	
Spectrum name	LAB-942-REF-17122025-11
Sample name	LAB-942
Sample ID	AdBlue
Operator	GIB
Comment	QATR
No. of Scans	45
Resolution	4 [cm⁻¹]
Apodization	SqrTriangle

	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area	Comment
1	1157.76	0.100	0.044	1248.26	1097.43	10.334	1.911	
2	1459.41	0.192	0.115	1502.50	1390.46	13.102	4.762	
3	1621.73	0.402	0.073	1730.90	1605.93	27.664	2.402	
4	3346.88	0.336	0.066	3625.54	3283.68	76.745	11.570	