

AdBlue® by OCI

Urea Solution 32,5%

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Property	Unit	Limits		Test Methods	
		min.	max.		
Urea content	% (mass fraction)	31,8	33,2	ISO 22241-2:2019, Annex B ISO 22241-2:2019, Annex C	
Refractive index (nD20)		1,3814	1,3843	ISO 22241-2:2019, Annex C	
Alkalinity as NH ₃	% (mass fraction)		0,2	ISO 22241-2:2019, Annex D	
Biuret	% (mass fraction)		0,3	ISO 22241-2:2019, Annex E	
Aldehydes	mg/kg		5	ISO 22241-2:2019, Annex F	
Insoluble matter	mg/kg		20	ISO 22241-2:2019, Annex G	
Phosphate (PO ₄)	mg/kg		0,5	ISO 22241-2:2019, Annex H ISO 22241-2:2019, Annex I	
Aluminium	mg/kg		0,5	ISO 22241-2:2019, Annex I	
Calcium	mg/kg		0,5		
Chromium	mg/kg		0,2		
Copper	mg/kg		0,2		
Iron	mg/kg		0,5		
Potassium	mg/kg		0,5		
Magnesium	mg/kg		0,5		
Sodium	mg/kg		0,5		
Nickel	mg/kg		0,2		
Zinc	mg/kg		0,2		
Product Carbon Footprint (PCF) ¹		Cradle to Gate		0.48 ton CO ₂ eq / ton AdBlue	
		Cradle to Grave		0.72 ton CO ₂ eq / ton AdBlue	
Storage Temperature °C	Minimum Shelf Life (month)	Freezing point	Boiling Point of Solution	Typical Characteristics	
≤ 10	36	-11°C to -15°C (12,2°F to 5°F)	Decomposition at: 100°C	Physical State	Liquid
≤ 25	18			Colour	Colourless / White
≤ 30	12			Odour	Ammonia (slight)

REMARKS

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¹ Product Carbon Footprint is calculated on a cradle to gate basis (year 2021/2022 activity data) according to ISO 14067 and has been reviewed by an external panel of experts following requirements of ISO 14044. Cradle to Grave is calculated as Cradle to OCI gate + End of Life emission assuming the embedded carbon of 0.238 tonCO₂eq/ton AdBlue is converted into CO₂. More information is available upon request.