



Air1[®] OptiSpray[™]



Air1[®] OptiSpray[™] (Additivised urea solution 32.5%)

Air1 OptiSpray is Yara's Air1 AdBlue[®] with low concentrations of a surfactant additive. Air1 OptiSpray can be used as a replacement for AdBlue and is compliant with the impurity requirements of ISO 22241 (22241-1; 22241-2; 22241-3).

Specification	Minimum	Maximum	Weight
Urea content	31.8	33.2	% by weight
Density at 20°C	1.0870	1.0930	g/cm ³
Refracting index at 20°C	1.3814	1.3843	
Alkalinity as NH ₃		0.2	%
Biuret		0.3	%
Aldehyde 5 mg/kg		5	mg/kg
Insolubles 20 mg/kg		20	mg/kg
Phosphate (PO ₄)		0.5	mg/kg
Calcium		0.5	mg/kg
Iron		0.5	mg/kg
Copper		0.2	mg/kg
Zinc		0.2	mg/kg
Chromium		0.2	mg/kg
Nickel		0.2	mg/kg
Aluminium		0.5	mg/kg
Magnesium		0.5	mg/kg
Sodium		0.5	mg/kg
Potassium		0.5	mg/kg
Surfactants		0.05	%

Typical Characteristics

Classified as non-hazardous for supply or transport.

Appearance

Physical State: Liquid
Colour: Colourless / White
Odour: Ammonia (Slight)

Freezing Point

-11°C (12.2°F)

Boiling Point of solution (°C)

Decomposition Temperature:
 100°C (212°F)

The product is stable under normal recommended storage and handling conditions.

Analytical Methods

The product is analysed in accordance with the analytical procedures described in ISO 22241 (22241-1; 22241-2; 22241-3), with the exception of the additive, which is not described in the ISO standard.

Constant ambient storage temperature (C°)	Minimum shelf life (months)
≤ 10	36
≤ 25	18
≤ 30	12

Yara reserves the right to change the technical data without further notice.