AGF Nitrogen AMMONIA DISTRIBUTION B.V.
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Anhydrous Ammonia

Liquid-product specification			Typical value
Ammonia	% wt	min. 99.5	
Water	% wt	min. 0.1 – max. 0.5	0.2
Inert gas	ml / Nm^3	max. 500	200
Oil	mg / kg	max. 10	
Iron	mg / kg	max. 1	
Sampling and analysis techniques			
Sampling	'In-house method' / ISO 7103		
Ammonia	100% - %water		
Water	Intertek 3223		
Inert gas	Intertek 2029		
Oil	Intertek 1549		
Iron	Intertek 1308		
Physical properties			
Formula			NH_3
Molar mass			17.03
Critical temperature		^0C	132.4
Critical pressure		bar	112.8
Gas density relative to air			0.59
Boiling point	at 1.0133 bar	^0C	-33.4
Liquid density	-30 ^0C	kg/m^3	680
	0 ^0C		637
	15 ^0C		620
	25 ^0C		603
Vapour pressure	-30 ^0C	bar	1.2
	0 ^0C		4.3
	15 ^0C		7.3
	25 ^0C		10.0

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