

DSM Agro B.V.

P.O. Box 43, 6135 KR Sittard (The Netherlands)

Telephone number +31 46 4770343, Telefax +31 46 4528615, Internet www.dsm-agro.com

Product data sheet: Anhydrous Ammonia

Version: 6 (10/98)

Anhydrous Ammonia			
1	Liquid-product specification		
			Typical value
	Ammonia	% wt	min. 99.7
	Water	% wt	min. 0.1 - max. 0.3
	Inert gas	ml/Nm ³	max. 500
	Oil	mg/kg	max. 5
	Iron	mg/kg	max. 1
2	Sampling and analysis techniques		
	Sampling	"In-house" method / ISO 7103	
	Ammonia	100% - %water	
	Water	DSM-AGRO 0019 / ISO 7105	
	Inert gas	DSM 425	
	Oil	CHEMLAB 1549-OV / ISO 7106	
	Iron	CHEMLAB 1308-OV	
3	Physical properties		
	Formula	NH ₃	
	Molar mass	17,03	
	Critical temperature	°C	132,4
	Critical pressure	bar	112,8
	Gas density relative to air	0,59	
	Boiling point at 1.0133 bar	°C	-33,4
	Liquid density	kg/m ³ at	
		-30 °C	680
		at 0 °C	637
		at 15 °C	620
		at 25 °C	603
	Vapour pressure	bar at	
		-30 °C	1,2
		at 0 °C	4,3
		at 15 °C	7,3
		at 25 °C	10,0
Warranty			
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