

**Product data sheet: Nitric acid 60%**

Version: 7 (01/2007)

<b>Nitric acid 60%</b>	
<b>1</b>	<b>Liquid-product specification</b>
HNO <sub>3</sub>	% m/m min. 58,5
HNO <sub>3</sub> concentration range	% min. 58,5 - max. 61
Nitrous acid	mg/kg max. 50
Chloride (Cl)	mg/kg max. 5
Iron (Fe)	mg/kg max. 1
Ammonium nitrogen	mg/kg max. 200
<b>2</b>	<b>Sampling and analysis techniques</b>
According to ISO TC 47 "Chemistry" and DSM Agro "in-house" methods.	
<b>3</b>	<b>Physical properties</b>
Formula	HNO <sub>3</sub> (aq.)
Molar mass	63,01
State of aggregation	liquid
Appearance/odour	slightly yellowish transparant liquid / pungent odour
Density at 20 °C	kg/m <sup>3</sup> 1363
Boiling point at 1 bar	°C 120
Vapour pressure at 20 °C	bar 0,009
Freezing point	°C -20
Solubility in water	completely miscible
<b>Warranty</b>	
The Product Data Sheet represents the only product warranty made regarding this product. This information is intended for use by persons having technical skill, at their own discretion and risk. Except as set forth above there are no warranties, express or implied, including warranties of merchantability or fitness for a particular purpose and seller shall not be liable for consequential damages.	