

Product: **Nitric acid, 53%**

Producer: Duslo, a. s.,

Product characterization: 53 % nitric acid is a clear colorless to yellowish liquid with a pungent odor, it is corrosive and oxidizing. Its vapors also have a corrosive effect. Therefore, it is essential to comply with health and safety regulations when working and handling it.

Application: Used for the production of industrial fertilizers, nitrates, for surface treatment of metals, as an oxidizer and for other purposes.

Parameter	Values in % w/w	Test Methods
Nitric acid content (HNO ₃)	52.0 – 54,0	AM OTK ACH 200/97
Nitrous acid content (HNO ₂)	max. 0.5	AM OTK ACH 201/97
Sulphates content (SO ₄ ²⁻)	max. 0.05 ^{*)}	AM OTK ACH 202/97
Chlorides content (Cl ⁻)	max. 0.01 ^{*)}	AM OTK ACH 203/97
Iron content (Fe)	max. 0,001	AM OTK ACH 160/96
Ignition residue	max. 0.05	AM OTK ACH 204/97

*Notice: *) The values are informative, they are determined only on customer demand.*

Transport: Nitric acid is transported in tanks with anticorrosive top loading, top or bottom emptying code L4BN.
Nitric acid is classified as dangerous for carriage within the meaning of ADR / RID rules

Storage: Storage and handling of nitric acid should be cautious, because its oxidizing properties can cause a fire, especially when in contact with organic materials. Such substances must be removed from the space in which the nitric acid is stored.

Safety precautions: Do not eat, drink or smoke, personal care and hygiene, and proceed in accordance with the instructions given in the safety data sheet.

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