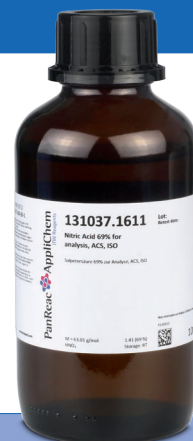




Nitric acid 69% substitutes nitric acid 65%



Dear valued customer,

We decided to discontinue nitric acid 65% and have replaced it by nitric acid 69%. We did this due to safety reasons. In addition, we optimized our production processes. By doing this, we reduced exposure to nitric acid and as a consequence we are protecting our employees.

Finally, the newly released nitric acid 69% is of higher purity, fulfills USP, EP and BP specifications as well as ACS specifications.

Below, you will see a comparison between nitric acid 65% pure (no longer available) and nitric acid 69% pharma grade (as alternative). The nitric acid 69% significantly improves the specifications compared to nitric acid 65%.

No longer available	
Specifications	Product code 143255 Nitric Acid 65% pure
Assay (Acidim.)	65%
Identity according to Pharmacopoeias	-
Appearance of solution	-
Residue on ignition (as SO ₄)	0.005%
Chloride (Cl)	0.000 5%
Sulfate (SO ₄)	0.001%
Clarity and colour	-
Residual solvents (Ph. Eur./USP)	-
Heavy metals (as Pb)	-
Fe	0.000 1%
Elemental impurities (ICH Q3D)	-
As	0.000 005%
Cu	0.000 05%
Pb	0.000 05%

Alternative	
Specifications	Product code 141037 Nitric Acid 69% (USP-NF, BP, Ph. Eur.) pure, pharma grade
Assay (Acidim.)	69.0–70.0%
Identity according to Pharmacopoeias	Passes test
Appearance of solution	Passes test
Residue on ignition (as SO ₄)	0.000 5%
Chloride (Cl)	0.000 05%
Sulfate (SO ₄)	0.000 1%
Clarity and colour	Passes test
Residual solvents (Ph. Eur./USP)	Passes test
Heavy metals (as Pb)	0.000 02%
Fe	0.000 02%
Elemental impurities (ICH Q3D)	Passes test
As	Passes test for Elemental impurities ICH Q3D
Cu	Passes test for Elemental impurities ICH Q3D
Pb	Passes test for Elemental impurities ICH Q3D

Another advantage is, that in some cases, because of the higher concentration, you will need less quantity to prepare the same solution. Here some examples for the preparation of 1 L solutions:

Final concentration	Using HNO ₃ 65%	Using HNO ₃ 69%	Saving
12.5% w/v	137 mL	128 mL	9 mL
40% w/v	440 mL	410 mL	30 mL



In the following table you can find the alternative code to the current nitric acid 65%.

No longer available			Alternative		
Nitric acid 65%	Pack size	Product code	Nitric acid 69%	Pack size	Product code
Nitric Acid 65% for trace metal analysis (ppm)	250 mL	383255.1609	Nitric Acid 69% for trace metal analysis (ppm)	250 mL	-
	1 L	383255.1611		1 L	381037.1611
Nitric Acid 65% (max. 0.000 000 5% Hg) for analysis	1 L	473255.1611	Nitric Acid 69% (max. 0.000 000 5% Hg) for analysis	1 L	471037.1611*
	2.5 L	473255.1612		2.5 L	471037.1612*
Nitric Acid 65% for analysis, ISO	1 L	133255.1611	Nitric Acid 69% (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	1 L	131037.1611*
	2.5 L	133255.1612		2.5 L	131037.1612*
	5 L	133255.1214		5 L	131037.1214
	25 L	133255.0816		25 L	-
Nitric Acid 65% pure	1 L	143255.1611	Nitric Acid 69% (USP-NF, BP, Ph. Eur.) pure, pharma grade	1 L	141037.1611*
	2.5 L	143255.1612		2.5 L	-
	5 L	143255.1214		5 L	141037.1214
	25 L	143255.0716		25 L	141037.0716
Nitric Acid 65% technical grade	1 L	213255.1611	Nitric Acid 69% technical grade	1 L	211037.1611*
	2.5 L	213255.1212		2.5 L	211037.1212
	5 L	213255.1214		5 L	211037.1214
	25 L	213255.0716		25 L	211037.0716

*Glass bottle with pouring ring. Keep your workplace safe and clean.

