




## Specification

Concerning Product:	
Article number	32900
Trade name / designation / denomination	Neostigminmethylsulfat KI. 6.1, UN-Nr. 3249, PG III
CAS number	51-60-5
Other names / synonyms	•Neostigmine methyl sulfate; •[3-[dimethylamino(oxo)methoxy]phenyl]-trimethylammonium; methyl sulfate; •neostigmine metilsulfate;
EC number	200-109-5
Customs tariff number / CN code / TARIC	29242998
Molecular weight [g / mol]	334.38858
Formula	C <sub>13</sub> H <sub>22</sub> N <sub>2</sub> O <sub>6</sub> S
<b>Danger</b>  3249, 6.1, III	
<p>Fatal if swallowed. Fatal in contact with skin. Fatal if inhaled. Do not breathe dust/fume/gas/mist/vapours/spray. Wear respiratory protection. Specific treatment is urgent (see ... on this label). Remove/Take off immediately all contaminated clothing. Dispose of contents/container in accordance with local/regional / (inter)national regulations.</p>	

Parameter	Test Method	Specification	Unit
<b>Organoleptic test</b>			
Appearance of solution	Ph.Eur	clear and colourless	
Appearance		white powder	
<b>Physical parameter</b>			
Acidity/Alkalinity	Ph.Eur	Complies	
Loss on drying		≤ 0,5	%
<b>Identity</b>			
Assay		98,5 – 101,0	%
Assay	HPLC	3-Dimethylaminiphenol ≤ 0,01	%
Assay	HPLC	3-Dimethylcarbomoyloxy-N,N-dimetylaniline ≤ 0,10	%
Assay	HPLC	3-Hydroxyphenyl-trimethylammoniummethylsulfate ≤ 0,10	%
Assay	HPLC	Additional by-products ≤ 0,10	%
Identification	USP	B, C: complies	
Infrared absorbtion spectrometry		Complies	
Melting Point (identity)	Ph.Eur	144 – 149	°C
<b>Impurities</b>			
Residue on ignition	Ph.Eur	≤ 0,1	%
Sulphates (SO <sub>4</sub> )	Ph.Eur	≤ 200	ppm
Sulphates (SO <sub>4</sub> )	USP	conforms	
Impurity		≤ 0,2	%
<b>Residual Solvents</b>			
DiMethylSulfOxide (DMSO)	GC-MS	≤ 10	ppm
<b>Elemental Impurities</b>			
Chlorides (Cl)	USP	Complies	%

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Waltrop, 19. Aug. 2020

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