



Specification

1.06126.0250 2-Morpholinoethanesulfonic acid monohydrate buffer substance MES

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Assay (alcalimetric, calculated on anhydrous substance)	≥ 99	%
Identity (IR-spectrum)	passes test	
pH-value (0.5 M; 20 °C; water)	2.5 - 4.0	
UV-Absorption (250 nm, 50 g/l, 1 cm, water)	≤ 0.05	
UV-Absorption (250 nm, 100 g/l, 1 cm, water)	≤ 0.1	
Chloride (Cl)	≤ 0.005	%
Sulfate (SO ₄)	≤ 0.005	%
Heavy metals (as Pb)	≤ 0.0005	%
Na (Sodium)	≤ 0.005	%
Water (according to Karl Fischer)	7.0 - 9.0	%
Biological buffer, pKa at 20 °C	6.15	

Dr. Hans Henning Brewitz

Responsible laboratory manager quality control

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