



Certificate of Analysis

1.07225.0000 1,10-Phenanthroline monohydrate GR ACS
Batch K56527425

	Spec. Values		Batch Values	
Assay (Perchloric acid titration, calc. on anhydrous substance)	≥ 99.5	%	100.1	%
Identity (IR-spectrum)	conforms		conforms	
Suitability as redox indicator	conforms		conforms	
Suitability for determining iron	conforms		conforms	
Melting point (anhydrous substance)	117 - 120	°C	118	°C
substances insoluble in ethanol	conforms		conforms	
Water (according to Karl Fischer)	8.5 - 11.0	%	9.1	%

Date of release (DD.MM.YYYY) 21.02.2025
Minimum shelf life (DD.MM.YYYY) 29.02.2028

Dr. Sebastian Lips
Responsible laboratory manager quality control

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