

Certificate of Analysis

8.06072.1000 1-Methyl-2-pyrrolidone EMPLURA® K53724172

Purity (GC) ≥ 99.5 % 99.9 % Identity (IR) conforms conforms Color ≤ 10 Hazen ≤ 10 Haz Density (d 20 °C/4 °C) 1.031 - 1.033 1.032 Refractive index (n 20/D) 1.4680 - 1.4730 1.4709 Acidity ≤ 0.0002 meq/g ≤ 0.0002 med/g			
Identity (IR) conforms conforms Color ≤ 10 Hazen ≤ 10 Hazen Density (d 20 °C/ 4 °C) 1.031 - 1.033 1.032 1.4709 Refractive index (n 20/D) 1.4680 - 1.4730 1.4709 ≤ 0.0002 meq/g ≤ 0.0002 meg/g		Spec. Values	Batch Values
Color ≤ 10 Hazen ≤ 10 Haz Density (d 20 °C/4 °C) 1.031 - 1.033 1.032 1.4709 Refractive index (n 20/D) 1.4680 - 1.4730 1.4709 ≤ 0.0002 meq/g ≤ 0.0002 med/g	ity (GC)	≥ 99.5 %	99.9 %
Density (d 20 °C/4 °C) 1.031 - 1.033 1.032 Refractive index (n 20/D) 1.4680 - 1.4730 1.4709 Acidity ≤ 0.0002 meq/g ≤ 0.0002 med/g	ntity (IR)	conforms	conforms
Refractive index (n 20/D) 1.4680 - 1.4730 1.4709 Acidity ≤ 0.0002 meq/g ≤ 0.0002 mec	or	≤ 10 Hazen	≤ 10 Hazen
Acidity ≤ 0.0002 meq/g ≤ 0.0002 med	nsity (d 20 °C/ 4 °C)	1.031 - 1.033	1.032
	ractive index (n 20/D)	1.4680 - 1.4730	1.4709
Alkalinity < 0.003 mag/s < 0.003 mag	dity	≤ 0.0002 meq/g	≤ 0.0002 meq/g
Alkalifity \$ 0.005 med/g \$ 0.005 med	alinity	≤ 0.003 meq/g	≤ 0.003 meq/g
Water ≤ 0.10 % 0.01 %	ter	≤ 0.10 %	0.01 %

Date of release (DD.MM.YYYY) 21.09.2021 Minimum shelf life (DD.MM.YYYY) 30.09.2024

Jeannette David

Responsible laboratory manager quality control

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