

Please note that the certificates of analysis are also conveniently available on your BASF online portal.

URMICHEMICALS

2023-02-28

Certificate No 5419

ci-quality-assurance@basf.com
CIT/QA

Germany

Certificate of Analysis according to DIN 55350-18-4.2.2

Morpholine

200KG Steel drums
Purchase order/Customer material
C230115

Material	50039531
Order	3019191525 000020
Delivery	3196838595 000010
Lot	90390068E0
Lot/Qty	21600.000 KG
Total	21600.000 KG
Transport	MSMU8971138

Inspection characteristics		Test result	Specification	Test method
Morpholine	%	99.77	>=99.00	GC
1,2-Ethanediamine	%	0.00	<=0.30	GC
Ethylmorpholine	%	<0.01	<=0.20	GC
Methoxyethanol	%	0.08	<0.30	GC
Water	%	0.02	<=0.30	DIN 51777
Color	APHA	2	<=15	DIN EN 1557

manufacturing date	(MM/DD/YYYY):	02/05/2023		
best before / retest date	(MM/DD/YYYY):	02/04/2025		

Manufacturing and retest date on CoAs are leading, even if due to technical reasons labels might show different dates and/or wordings (e.g. production date, expiry date).

Quality Assurance CI

BASF SE, 67056 Ludwigshafen, Germany
Operating Division Intermediates

The aforementioned data shall constitute the agreed contractual quality of the product at the time of passing of risk. The data are controlled at regular intervals as part of our quality assurance program. Neither these data nor the properties of product specimens shall imply any legally binding guarantee of certain properties or of fitness for a specific purpose. No liability of ours can be derived therefrom.