



Fisher Scientific UK Ltd.
part of Thermo Fisher Scientific
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Certificate of Analysis

Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number QMS42099

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the purchaser, formulator or those performing further manufacturing to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalogue Number:	10305220	Quality Test / Release Date:	08-DEC-21
Lot Number:	2105861	Expiry Phrase:	Use within 5yrs of opening
Product of:	United Kingdom		

Description:	Ammonia solution 0.88 SG		
Grade:	AR	Application:	For analysis

Appearance:	Clear colourless Mobile liquid
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Result Name	Test Value	Units	Specification
Assay	32	%	>= 32 and <= 36
Calcium (Ca)	<0.05	ppm	<= 1
Carbonate (CO ₃)	<0.002	%	<= 0.002
Colour	<10	APHA	<= 10
Copper (Cu)	<0.01	ppm	<= 0.05
Iron (Fe)	<0.02	ppm	<= 0.2
Lead (Pb)	<0.005	ppm	<= 0.05
Magnesium (Mg)	<0.02	ppm	<= 0.1
Potassium (K)	<0.05	ppm	<= 1
Pyridine & homologues (C ₆ H ₅ N)	<2	ppm	<= 2
SG at 20C	0.888		>= 0.88 and <= 0.89
Sodium (Na)	<0.2	ppm	<= 5
Substances reducing KMnO ₄	<0.001	%	<= 0.001
Total chloride (Cl)	<0.00005	%	<= 0.00005
Total phosphorus (P)	<0.05	ppm	<= 0.5
Total silicon (Si)	<0.05	ppm	<= 1
Total sulfur (S)	<0.2	ppm	<= 1
Zinc (Zn)	<0.02	ppm	<= 0.2

Additional Information:	
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Paula Faulkes

Mrs Paula Faulkes
Quality Assurance Manager.

Friday 25th of March 2022

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above. If there are any questions with this certificate, please call Customer Services on +44(0)1509 555500