

November 12, 2024

Dear Valued Customer:

**Re: Laboratory Chemicals Division Transition to Standardized Certificate of Analysis (CoA)**

We are writing to inform you of an important update regarding the Certificate of Analysis (CoA) that accompanies our products.

As part of our ongoing efforts to enhance our quality management systems, a new CoA has been developed to provide more detailed and transparent information, ensuring that our products meet the highest standards of quality, safety, and performance and that our customers have the data they need to use our products safely and effectively.

This update reflects our dedication to quality assurance, product management, and global standardization.

**Key Improvements in the New Certificate of Analysis:**

**Compliance with ISO 9001:2015:**

The new CoA aligns with these stringent quality management standards, underscoring our commitment to delivering products that meet or exceed global regulatory and industry requirements.

**Global Standardization:**

The updated COA reflects our efforts towards global standardization of product documentation. This harmonization facilitates easier comparison and interpretation of quality metrics across our product lines, supporting your global operations and quality assurance processes.

**Stringent Quality Parameters:**

The new CoA includes additional data points and a clearer presentation of analytical results, providing you with more detailed information about the product's specifications and compliance. This enhanced clarity supports your research and development activities by providing transparent and reliable data.

We believe that these enhancements will significantly benefit your operations by providing more reliable and comprehensive data, thereby supporting your quality assurance processes and regulatory compliance.

**Transition Timeline:**

The transition to the new CoA format will commence in **November 2024** and is expected to be fully implemented by or after **March 2025**.

The new CoA will only apply to new batches of material upon implementation and no changes will be made to previously released batches before implementation.

During this period, you may receive both the old and new CoA formats. Rest assured, there will be no disruption to the supply or quality of our products during this transition.

We understand that changes of this nature may require adjustments on your part, and we are committed to making this transition as smooth as possible. Should you have any questions or require further information, please do not hesitate to contact your local customer support team.

Sincerely,



**John Astarita**  
Director, Quality  
Laboratory Chemicals Division  
Laboratory Products Group



**Alexandra Cairns**  
Director, Product Management  
Laboratory Chemicals Division  
Laboratory Products Group

**Current CoA**

**Certificate of Analysis** Page 1 of 1

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Version: 00  
Molecular weight: 148.09  
CAS No.: 761-80-6  
Linear Formula: NaI  
Flash Point (°C): Not

**Certificate of Analysis**

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the listed specifications. Certain data may have been supplied to third parties. We disclaim the explicit or implied warranty of merchantability and fitness for a particular purpose, and the accuracy of third party data, or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify material suitable each product for its intended use.

Catalogue Number	41927	Quality Test / Release Date	05/09/2023
Lot Number	AD448533	Suggested retest date	05/09/2025
Description	Sodium iodide ACS reagent anhydrous		
Country of Origin	INDIA		
Declaration of Origin	Synthetic		
REUSE/TEST			
Chemical			
Result Name	Specifications	Test Value	
Appearance (Color)	White	White	
Appearance (Form)	Subl	Subl	
Titrator with ACS	>99.5 %	99.6 %	
pH	5.0 to 9.0 (0.1% solution at 25°C)	8.4 (0.1% solution at 25°C)	
Residual water	<0.01 %	<0.01 %	
Chloride and Bromide	<0.01 % (as Cl)	0.0078 % (as Cl)	
Iron (Fe)	<0.005 %	<0.005 %	
Phosphorus (P)	<0.001 %	<0.001 %	
Sulfur (S)	<0.005 %	0.004 %	
Barium (Ba)	<0.002 %	<0.002 %	
Heavy metals (as Pb)	<0.005 %	0.004 ppm	
Iron (Fe)	<0.005 %	0.004 ppm	
Calcium (Ca)	<0.002 %	0.001 %	
Magnesium (Mg)	<0.001 %	0.0001 %	
Phosphorus (P)	<0.001 %	<0.001 %	

C. Wypych, QA Manager Issued: 05-10-2023

Acqua Degussa BV  
E9423, Unit 1, 1930, Janssen Pharmaceutieklaan 3a, B-2440 Geel, Belgium  
Tel: +32 1637 1111, Fax: +32 1638 24 1666, <http://www.thermofisher.com>  
1, Deep Lakes, Fair Lane, NJ 07410, USA Fax: 973-796-1232

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**Certificate of Analysis**

Product No.: L05673  
Product: Sodium methoxide, 98%  
Lot No.: 10242734

Appearance: White powder  
Melting Point: >300°C  
Assay (Non-aqueous-acid base titration): 100.2%  
Identification (FTIR): Confirms

Product No.: 045509  
Product: Gibberellic acid, 98%  
Lot No.: Q07024

Appearance: White powder  
Titration (NaOH): 100.0 %  
Specific Optical Rotation (α)<sub>D</sub>: +76.0°  
IR (NMR) Spectrum: Confirms to structure

Revised date: September 15, 2027

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**Certificate of Analysis** Page 1 of 1

**ThermoFisher**  
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**Certificate of Analysis**

1 Reagent Line  
Fair Lane, NJ 07410  
201 796 7700 ext. 201796-1232

Thermo Fisher Scientific Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SA Global Certificate Number CERT-022622

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 only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the listed grade. The following information is the actual analytical results obtained.

Catalogue Number	BP120	Quality Test / Release Date	05/10/2022
Lot Number	223009	Suggested retest date	05/10/2024
Description	SODIUM DI(ETHYLENEDIAMINE)TETRAACETATE DIHYDRATE		
Country of Origin	United States		
Chemical Origin	Organic - non animal		
REUSE/TEST Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		
Comment	This material does not contain any BPA (bisphenol A), phthalates, or animal derived substances.		
REUSE/TEST			
Chemical			
Result Name	Units	Specifications	Test Value
APPEARANCE (Color)	REPORT	White Crystalline Powder	
APPEARANCE (Form)	gpm	<2	02
ASSAY	%	>=99.0	100.4
CALCIUM	gpm	<=20	020
ELECTROCONDUCTIVITY	PASS/FAIL	<=PASS TEST	PASS TEST
IDENTIFICATION	PASS/FAIL	<=PASS TEST	PASS TEST
INDOLE MATTER	%	<=0.005	0.001
IRON (Fe)	gpm	<=10	010
LEAD (Pb)	gpm	<=5	02
MERCURY (Hg)	gpm	<=2	01
NITRAL CONTACTIC ACID	%	<=1.1	06.1
PH 5% SOLUTION @ 25 DEG C		Inclusive Between 4.0 - 6.0	4.6

In Marston - Quality Control Manager - Fair Lane

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalog number listed above.  
\*If there are any questions with this certificate, please call us at (800) 271-0775.  
\*Based on suggested storage condition.

**ThermoFisher**  
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**Certificate of Analysis**

Fair Lane Scientific Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SA Global Certificate Number 022622

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 only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the listed grade. The following information is the actual analytical results obtained.

Catalogue Number	0564215	Quality Test / Release Date	10-MAY-22
Lot Number	2222324	Expiry Phase	Expires 6 months from packing date
Product of	United Kingdom		
Description	Sodium hypochlorite solution		
Grade	Technical	Application	General laboratory work
Appearance	Yellow Mobile liquid		
Result Name	Test Value	Units	Specification
Available chlorine	14.4	%	>=14
Additional Information:			

1% Paula Felles  
Quality Assurance Manager

Tuesday 14th of February 2023

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalog number listed above.  
\*If there are any questions with this certificate, please call Customer Services at +44(0)1923 555555

**ThermoFisher**  
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**Certificate of Analysis**

1 Reagent Line  
Fair Lane, NJ 07410  
201 796 7700 ext. 201796-1232

Thermo Fisher Scientific Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SA Global Certificate Number CERT-022622

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Catalogue Number	022622	Quality Test / Release Date	07/24/2023
Lot Number	223009	Suggested retest date	07/24/2025
Description	ACETONE, HPLC, ACS		
Country of Origin	China, Taiwan		
Chemical Origin	Organic - non animal		
REUSE/TEST Comment	This material is derived from petroleum. It does not contain or come into contact with any bio-derived materials or components.		
REUSE/TEST			
Chemical			
Result Name	Units	Specifications	Test Value
APPEARANCE (Color)	REPORT	Clear, colorless liquid	
ALDEHYDE	%	<= 0.002	0.0012
ALIPHATIC	%	<= 0.01	0.004
COLOR	APHA	<= 10	01
DETERMINATION RESIDUE	gpm	<= 1	01
IDENTIFICATION	CONFORMS TO STANDARD	<=CONFORMS TO STANDARD	CONFORMS TO STANDARD
METHANOL	%	<= 0.005	0.0021
OPTICAL ABS AT 210 NM	ABSORBANCE UNITS	<= 1.00	0.014
OPTICAL ABS AT 215 NM	ABSORBANCE UNITS	<= 0.10	0.002
OPTICAL ABS AT 218 NM	ABSORBANCE UNITS	<= 0.05	0.003
OPTICAL ABS AT 220 NM	ABSORBANCE UNITS	<= 0.01	0.005
SOLUBILITY IN WATER	PASS/FAIL	<=PASS TEST	PASS TEST
SUBSTANCES MEDICINALS (MUSC)	PASS/FAIL	<=PASS TEST	PASS TEST
TITRATABLE ACID	MEQ/g	<= 0.003	0.001
TITRATABLE BASE	MEQ/g	<= 0.006	0.0007
WATER (H2O)	%	<= 0.1	0.03

Kylee Paschall - Quality Control Supervisor - Bridgewater

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalog number listed above.  
\*If there are any questions with this certificate, please call us at (800) 271-0775.  
\*Based on suggested storage condition.

**Our CoA starting November 2024**

**CERTIFICATE OF ANALYSIS**

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek. Certificate Number: 2317548

Catalogue Number	41957
Lot Number	A0448936
Description	Sodium iodide,ACS reagent,anhydrous
CAS Number	7681-82-5
Quality Test/Release Date	09/May/2023
Suggested retest date	09/May/2025
Country of Origin	INDIA
Declaration of Origin	synthetic

Result Name	Units	Specifications	Test Value
Appearance (Color)		White	White
Appearance (Form)		Solid	Solid
Titration with KIO3	%	>=99.5	99.6
pH		6.0 to 9.0 (5 % solution at 25.0°C)	6.4 (5 % solution at 25.0°C)
Insoluble matter	%	=<0.01	=<0.01
Chloride and Bromide	%	=<0.01 (as Cl)	0.0078 (as Cl)
Iodate (IO3)	ppm	=<3	=<3
Phosphate (PO4)	%	=<0.001	=<0.001
Sulfate (SO4)	%	=<0.005	0.004
Barium (Ba)	%	=<0.002	=<0.002
Heavy metals (as Pb)	ppm	=<5	0.74
Iron (Fe)	ppm	=<5	0.39
Calcium (Ca)	%	=<0.002	0.0001
Magnesium (Mg)	%	=<0.001	0.000467
Potassium (K)	%	=<0.01	=<0.01



Geert Torfs  
Supervisor, QC

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