

Certificate of Analysis

Product Name	Sodium zirconium cyclosilicate
Catalog No.	V64483
Batch No.	V6448301

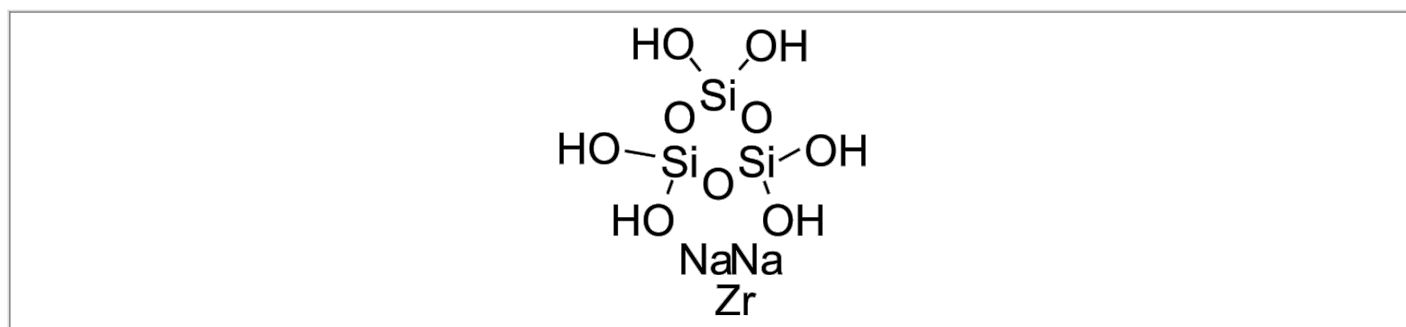
1. Physical and Chemical Properties

Appearance	powder
Molecular Formula	H ₆ O ₉ Si ₃ ·2Na·Zr
Molecular Weight	371.50
Purity	≥98.0%
CAS No.	17141-74-1
Production Date	
Retest Date	2028-07-21

2. Analytical Data

Test Item	Specification	Result
pH	Shall be within 7~9.	8
Particle size	NMT 3% particles less than 3um.	2% (1.7%)
Water	Not more than 9.0%.	5.3%
Potassium exchange capacity(KEC)	3.0 to 3.8 mEq/g.	3.5 mEq/g
ZS-7	Not more than 10.0%.	Not detected
Elemental Impurities	Arsenic not more than 0.5 ppm	Not detected
Elemental Impurities	Cadmium not more than 0.15 ppm	Not detected
Elemental Impurities	Mercury NMT 1.0 ppm	Not detected
Elemental Impurities	Lead NMT 0.15ppm	Not detected
Elemental Impurities	Nickel 6.5ppm maximum	0.2ppm
Microbial Limits	Total aerobic bacteria should not be more than 10 ³ cfu/g.	<50 cfu/g
Microbial Limits	The total molds and yeasts count should not be more than 10 ² cfug.	<10 cfu/g
Microbial Limits	Escherichia coli should be absent.	Absent
Assay	It contains 21%~24% of silicon,21%~23% of zirconium,7%~9% of sodium and 0.1%~0.7% of hafnium. calculated by dry products	Silicon:22% Zirconium:22% Sodium:8% Hafnium: 0.5%

3. Structure



4. Storage Condition

--

Storage Condition	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month
Note: Please store this product in a sealed and protected environment, avoid exposure to moisture.			

Products are for research use only • Not for human or veterinary use

Tel: +1 708 310-1919

InvivoChem LLC
Fax: +1 708 557-7486
<http://www.invivochem.com/>

Email: info@invivochem.com