

Comprehensive Batch Analytical
 Summary

Document Ref. QLEOS-QA-CM500-ERT20260310-01
 Issue Date 2026-09-01

External Certificate of Analysis - controlled QLEOS quality summary

MATERIAL & SOURCE IDENTIFICATION

Product	Creatine Monohydrate	Batch No.	ERT20260310
Chemical Name	Creatine	CAS No.	57-00-1
Molecular Weight	131.13 g/mol	Grade	Food Grade
Preparation	Chemical Synthesis	Solvent Used	Water & Ethanol
Country of Origin	China	Manufacture Date	2026.03.10
Report Date	2026.03.12	Expiration Date	2029.03.09

Storage / Shelf Life: 3 years, unopened in original package, stored cool and dry and protected from light. Packaging: 15 kg net per carton, or as requested.

COMPOSITION & RELATED SUBSTANCES

Test Item	Specification	Result	Method / Remark
Creatine Monohydrate	>=99.5%	99.99%	HPLC
Creatinine	<=100 ppm	65 ppm	HPLC
Dicyanamide*	<=50 ppm	27 ppm	HPLC
Dihydrotriazine	<=5 ppm	<5 ppm	HPLC
Cyanide	<=1 ppm	<1 ppm	Colorimetry

* Source terminology: "Dicyanamide" is reproduced exactly as written in the source Certificate of Analysis.

PHYSICAL & CHEMICAL CHARACTERISTICS

Test Item	Specification	Result	Method / Remark
Appearance	White crystalline fine powder	Conforms	-
Odor and Taste	Characteristic	Conforms	-
Particle Size	90% pass 500 mesh	Conforms	-
Loss on Drying	<=12%	9.20%	USP<731>
Residue on Ignition	<=0.1%	0.05%	USP<281>
Bulk Density	200-400 g/L	300 g/L	USP<616>
Tapped Density	400-600 g/L	500 g/L	USP<616>
Water Solubility	Partly Soluble in Water	Conforms	0.1 g/100 ml, 25°C
Sulfate	<=0.03%	Conforms	Colorimetry

COMPREHENSIVE BATCH ANALYTICAL SUMMARY / CONTINUED

Batch ERT20260310 | Creatine Monohydrate

HEAVY METALS & HARMFUL SUBSTANCES

Test Item	Specification	Result	Method / Remark
Lead	<=3 ppm	0.0326 ppm	ICP-MS
Arsenic	<=1 ppm	0.0012 ppm	ICP-MS
Cadmium	<=1 ppm	0.0015 ppm	ICP-MS
Mercury	<=0.1 ppm	Not Found	ICP-MS
Residual Solvents	<=5000 ppm	Conforms	EC 2009/32
Pesticide Residue	N. A.	Conforms	N. A.
Contaminants	EP Standard	Conforms	(EU) 2023/915
MOSH / MOAH	<=0.5 ppm	Conforms	LC-GC-FID



MICROBIOLOGICAL TESTS

Test Item	Specification	Result	Method / Remark
Total Plate Count	<=1000 CFU/g	<100 CFU/g	EC 2073/2005
Molds & Yeasts	<=100 CFU/g	<100 CFU/g	EC 2073/2005
E. Coli	Absent/10 g	Conforms	EC 2073/2005
Salmonella	Absent/25 g	Conforms	EC 2073/2005
Staphylococcus Aureus	Absent/g	Conforms	EC 2073/2005

SOURCE CONCLUSION & RECORD CONTROL

Source conclusion (verbatim): "It is conformed to USP & EP Standard."

The specification and result values shown in this document are transcribed from the external Certificate of Analysis for batch ERT20260310. QLEOS maintains the source COA and supplier traceability information within its controlled internal quality records. Supplier-identifying information is intentionally omitted from this external summary.

DOCUMENT DECLARATION This document is issued solely by QLEOS Biotech d.o.o. as a controlled analytical summary. It is not the original Certificate of Analysis, does not represent independent re-testing by QLEOS, and does not create laboratory certification, approval or endorsement. Results and specifications apply to the source batch and test items as reported in the source Certificate of Analysis.

ISSUED & AUTHORIZED BY QLEOS BIOTECH d.o.o.

Gregor Faganel
CEO & Co-Founder

Authorized signature: 
Date: 2026-09-01

