

## Certificate of Analysis

Customer: HSH Chemie s.r.o.

Consignee: Logflex CZ s.r.o., 521 01 RICANY – JAZLOVICE,  
TSCHECHISCHE REPUBLIK

Customer Order No.: 2023-02000393

Product: **Creapure® (Creatine Monohydrate)**

Lot-No. **306641**

Quantity: 1 300 kg

Production Date: 07.03.2023

Retest Date: 07.03.2026

Manufacturer: Alzchem Trostberg GmbH, Trostberg, Germany

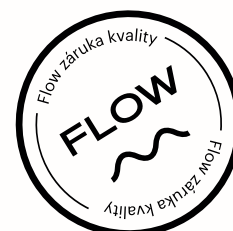
Country of Origin: Germany

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Parameter	Method	Unit	Specification	Results
Assay <sup>1</sup> (HPLC)	107-138/1	[%]	≥ 99.9	101.2
Creatinine (HPLC)	107-138/1	[mg/kg]	≤ 100	40
Dicyandiamide (HPLC)	107-138/1	[mg/kg]	≤ 50	19
Dihydrotriazine (HPLC)	107-138/1	[mg/kg]	< 3	< 3 (=LOD)

<sup>1</sup> Calculated as creatine monohydrate; creatine monohydrate theoretically contains 12.1 % water of crystallization.

LOD = Limit of Detection



## Periodic controls

### Microbiology

Parameter	Method <sup>2</sup>	Unit	Specification	Results
Moulds and yeasts	Ph.Eur. 2.6.12	[cfu/g]	≤ 50	< 10
Total aerobic plate counts	Ph.Eur. 2.6.12	[cfu/g]	≤ 1000	< 10
Coliform bacteria	Ph.Eur. 2.6.13	[neg/g]	neg/g	neg/g
E. coli	Ph.Eur. 2.6.13	[neg/g]	neg/g	neg/g
Salmonella sp.	Ph.Eur. 2.6.13	[neg/25 g]	neg/25 g	neg/25 g
Staphylococcus aureus	Ph.Eur. 2.6.13	[neg/g]	neg/g	neg/g

### Heavy Metals

Parameter	Method	Unit	Specification	Results
Mercury	107-022/1	[mg/kg]	≤ 0.10	< 0.011
Cadmium	107-022/2	[mg/kg]	≤ 0.1	< 0.003
Lead	107-022/2	[mg/kg]	≤ 0.1	< 0.03
Arsenic	107-022/1	[mg/kg]	≤ 0.1	< 0.005

<sup>2</sup> Ph. Eur. methods harmonised with USP methods

The results based on our measures for quality assurance are in accordance with our specification.  
For further questions regarding the mentioned figures please fax to +49-8621-86-2860.

