

Batch Verification Certificate

Based on the independent Final Certificate of Analysis (COA) testing performed by
Mérieux NutriSciences.

HEAVY METAL / ELEMENTAL IMPURITY TEST

Batch Number: 13921
Report Date: 5 June 2026
Tested By: Mérieux NutriSciences
Accredited Testing
Laboratory
SANAS ISO/IEC 17025

CREATINE PURE MONOHYDRATE POWDER

TEST	EXPOSURE PER 5 G SERVING (MICROGRAMS)	INTERPRETATION
Arsenic	~0.025 µg	Not detected at quantifiable levels
Cadmium	< 0.025 µg	Not detected at quantifiable levels
Mercury	< 0.025 µg	Not detected at quantifiable levels
Lead	< 0.025 µg	Not detected at quantifiable levels

Results reviewed against recognised international safety references detailed below

WHAT IS THIS TEST?

This batch was **independently** analysed by an accredited laboratory to detect extremely small amounts of arsenic, cadmium, mercury and lead.

WHERE DO THESE ELEMENTS COME FROM?

These elements occur naturally in the environment and are often present at trace levels in:

- soil,
- groundwater,
- rocks and minerals,
- plants,
- vegetables,
- grains,
- and drinking water.

Because nutritional products are made from agricultural and mineral-derived raw materials, modern laboratory equipment is capable of detecting naturally occurring trace amounts at microgram levels.

WHY ARE THESE ELEMENTS MONITORED?

Long-term exposure to elevated levels of certain elements may pose health risks over time.

For this reason, South African and international scientific and regulatory bodies establish exposure limits designed around long-term daily consumption.

The results published in this certificate fall comfortably below commonly referenced international supplement safety thresholds, including some of the industry's stricter precautionary standards.

UNDERSTANDING SAFETY LIMITS

Safety thresholds are designed around long-term daily exposure and vary depending on:

- serving size,
- daily intake,
- product category,
- and exposure duration.

Commonly referenced supplement safety thresholds include:

Element	Representative Safety Reference Range*	REIN Result Per 5g Serving
Arsenic	~10 µg/day	< 0.025 µg
Cadmium	~4-5 µg/day	< 0.025 µg
Mercury	~2-15 µg/day	< 0.025 µg
Lead	~0.5-2.5 µg/day	< 0.025 µg

Some frameworks, such as California Proposition 65, apply stricter precautionary thresholds for example, a lead exposure of **0.5 µg/day**. REIN's lead result remains well below this precautionary threshold.

*Representative international safety references informed by:

- USP <2232> Elemental Contaminants in Dietary Supplements
- WHO / FAO toxicological guidance values
- Codex Alimentarius contaminant guidance references
- California Proposition 65 (MADLs)