



To whom it may concern

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Date of issue: 12.10.2020  
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Doc.-No. EIP-1025 -USA  
Revision 1

## Residues and contaminants – Food Regulations

MEGGLE Products:

- Lactose Monohydrate (USP-NF / Ph. Eur. / JP): GranuLac® 70 US, GranuLac® 140 US, GranuLac® 200 US
- Anhydrous Lactose (USP-NF / Ph. Eur. / JP): DuraLac® H

The products meet the standards required by United State Food and Drug Administration (FDA) and United States Environmental Protection Agency (EPA).

A trace element and contaminant monitoring program is installed for refined edible grade lactose at the manufacturer as follows.

Compound	Frequency	Typical Level	Compound	Frequency	Typical Level
Aluminum	Biannual	< 1.10 mg/kg	Tin	Biannual	< 1 mg/kg
Arsenic	Biannual	<0.05 mg/kg	Zinc	Biannual	< 5 mg/kg
Barium	Biannual	< 0.50 mg/kg	Heavy Metals as Lead	Biannual	< 5 mg/kg
Cadmium	Biannual	< 0.01 mg/kg	Affatoxin M1	Biannual	< 0.40 ug/kg
Chromium	Biannual	< 0.20 mg/kg	Chlorate / Perchlorate	Annual	<0.05 mg/kg
Copper	Biannual	< 2.50 mg/kg	Melamine & Cyanuric Acid	Biannual	< 0.50 mg/kg
Iron	Annual	< 10 mg/kg	Nitrate	Biannual	< 10 mg/kg
Lead	Biannual	< 0.05 mg/kg	Nitrite	Biannual	< 1 mg/kg
Mercury	Biannual	<0.02 mg/kg	Agricultural Chemical Residues	Biannual	Not Detected
Silver	Biannual	< 0.05 mg/kg	Antibiotic Drug Residues	Per Load	Negative

Agricultural Chemical residues are screened using Multi Residue Methods (MRM<sup>1</sup>) for common pesticides, insecticides, herbicides, and fungicides including: organochlorides, organophosphates, organonitrogen, carbamates and pyrethroids. This method of testing is the same technique used by the FDA to screen food and dairy products and detects over 150 residues at or below EPA regulations. The products do not contain agricultural chemicals in excess of EPA regulations.

The products have been manufactured with milk that is in compliance with PMO<sup>2</sup> Appendix N requirements. All milk is screened for drug residues prior to unloading. Only milk testing negative can be unloaded for processing.

Best regards

**MEGGLE USA inc.**

Dr. Gabriele Müller

<sup>1</sup> Also used in the [US FDA Program](#) and [USDA Program](#)

<sup>2</sup> See [Grade "A" PMO](#)