



# United Dairymen of Arizona

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www.uda.coop

## Extra Grade Lactose Specification

**Description:** Lactose is the primary carbohydrate found in mammal's milk and is often referred to as milk sugar. Lactose is isolated from dairy products such as whey and whey permeate, which is available after production of cheese.

Parameter	Analysis
pH	4.5 to 7.0
Protein*	≤0.10%
Ash	≤0.30%
Total Moisture	≤6.00%
Lactose	≥99.60%
Color	White or slight yellow; free of tan/brown shades
Mesh size	60 to 80
Flavor	No off flavors
Aroma	No off odors
Scorched Particles	7.5 to 15 mg (Disc A or B)
Antibiotic / Pesticide Residue	Negative
Microbiological	
Standard Plate Count (SPC)	≤5,000 / gram
Coliforms	<10 / gram
Yeast & Mold	≤100 / gram
Salmonella*	Negative

\*Denotes test is only performed per UDA's periodic testing program, not on each lot.

**Packaging:** 25 kg multiwall kraft bags with polyethylene inner liner or other approved closed container, i.e. "tote bags"

**Storage:** 24 months under proper storage conditions

*Heidi Myers*