

CERTIFICATE OF ANALYSIS

Product Description MACEROZYME R-10
Product Number M481
Lot Number HCE0481033
Storage Temperature 2-8°C
CAS Number 9032-75-1

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	5.0
Physical Appearance Color*	2142-60, 2142-70, 2143-50, HC-84, or HC-173	2148-60 Beige
Texture	Fine Powder; may form clumps	Fine Powder
Solution Appearance Clarity	Clear	Clear
Color	Colorless to Slight Beige Tint	Slight Beige Tint
Average Time to Dissolve	Within 3 min	Passes
Insolubles	None	Passes
Enzyme Activity	Minimum 3,000 units/g	Passes

* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

The material described in this certificate was manufactured in Japan and was derived solely from the fermentation of *Trichoderma viride*. The medium used to grow the fungus contained no animal-derived material; it was sterilized at 105-110 °C for 70 minutes prior to fermentation. Lactose, purified from Bovine milk of US origin, was added to the final product to adjust the enzyme activity to meet specification.

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Date of Release: 13-February-2024
Recommended Shelf-Life Date: February 2026



David Hart
Technical Director