

CERTIFICATE OF ANALYSIS

Product Description CELLULASE, ONOZUKA RS
Product Number C214
Lot Number 11D0214015
Storage Temperature 2-6 °C
CAS Number 9012-54-8

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	6.93
Physical Appearance Color*	2160-40, 2151-50 to 2154-50, HC-35, or HC-24	2160-40 Tan
Texture	Fine Powder, may form clumps	Fine Powder
Solution Appearance Clarity Color	Clear to Slightly Hazy Light Yellow to Yellow w/ Orange Tint	Clear Yellow w/Orange Tint
Average Time to Dissolve	Within 10 min	Passes
Insolubles	None	Passes
Enzyme Activity	Minimum 16,000 units/g	Passes

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

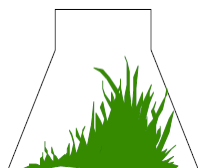
The material described in this certificate was manufactured in Japan and was derived solely from the fermentation of *Trichoderma viride*. The medium used to grow this fungus contained no animal-derived material; it was sterilized at 105-110 °C for 70 minutes prior to fermentation. Lactose, purified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

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Recommended Shelf Life: April 2016



Gary Seckinger, Ph.D.



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