

# CERTIFICATE OF ANALYSIS

Product Description      CELLULASE, ONOZUKA RS  
Product Number          C214  
Lot Number                08J21409  
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	7.01
Physical Appearance		
Color*	2151-50 to 2154-50, HC-35, or HC-24	2160-40 Tan
Texture	Fine Powder, may form clumps	Fine Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Light Yellow to Yellow with an Orange Cast	Light Yellow
Average Time to Dissolve	Within 10 min	Passes
Insolubles	None	Passes
Enzyme Activity	Minimum 16,000 units/g	> 16,000 units/g

\* 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 originating in the USA, was added to the final product to adjust the enzyme activity to meet specification

**PhytoTechnology Laboratories, LLC provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTechnology Laboratories shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.**

Recommended Shelf Life: September 2010



Gary Seckinger, Ph.D.



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### **PhytoTechnology Laboratories, LLC**

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