



345 LUCK AVENUE • ROANOKE, VIRGINIA • USA • 24016
PO BOX 1523 • ROANOKE, VIRGINIA • USA • 24007
540-344-6469 • 540-301-6451 FAX
www.americanbiosystems.com

PRODUCT SPECIFICATIONS SHEET

Multicel Product Series

Description: A special cellulase preparation useful for a variety of industrial and agricultural applications including native fiber digestion in textile applications, fiber dewatering/filtration, and cellulosic material degradation. Unlike many commercially available cellulases, this product possess a broad pH range of activity and action patterns suitable for use on all types of modified and native cellulosic material.

Purpose: As a highly concentrated source of hydrolytic enzymes including cellulase, hemi-cellulase, xylanase with other side activities also present. This product is useful in waste treatment applications and in compounds for industrial cleaning and maintenance. Agricultural applications include the liberation of bioavailable nutrients present in cellulosic forages and feed ingredients. Multicel provides a broad spectrum of fungal cellulases and provides a very high degree of stability useful for many fiber processing applications. Unlike many other cellulase preparations Multicel does not require acidic pH adjustment for optimal activity.

Multicel is compatible with a variety of surfactants and detergent compounds and has very good stability in alkaline and diluted aqueous solution.

| | | |
|------------------|---------------------|-----------------|
| Activity: | Multicel 30 | 30,000 CU/gram |
| | Multicel 100 | 100,000 CU/gram |
| | Multicel 100 Liquid | 100,000 CU/gram |
| | Multicel 250 | 250,000 CU/gram |

Unit Definition: One cellulase unit (CU) is defined as the amount of activity that will produce a relative fluidity change of 1 in 5 minutes in a defined carboxymethyl cellulose substrate under the conditions of the assay (pH4.5 and 40°C).

PH optimum: 5.0 - 7.7, Activity range pH 4.0 - 9.5

Storage Conditions: For optimal activity store in cool dry place under 100°F. Standard shelf life under these conditions is 2 years.

Danger: May cause allergy or asthma or breathing difficulties if inhaled. Avoid breathing dust/fume/gas/mist/vapors/spray. In case of inadequate ventilation, wear respiratory protection. Consult safety data sheet before handling and storing this product.

Package Sizes: Powder - 25 kg. and 50 lb. boxes
Liquid – 5 gallon pail and 55 gallon drum

This feed is produced in a facility certified in the AFIA's Safe Feed/Safe Food Certification Program www.safefeedsafefood.org



MADE IN USA