



Distributed by: Westco Chemicals, Inc.
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National Starch & Chemical
 A member of the ICI Group

Food Products Division

PRODUCT SPECIFICATION

CONFIDENTIAL

NATIONAL® 1658

Label Designation	Food Starch-Modified
Source	Corn

Physical and Chemical Characteristics:

Color	White to Off-white
Form	Fine Powder
Taste	Blind
Granulation	
Thru USSS #100	>95%
Thru USSS #200	>80%
Moisture	13% maximum
pH (20% Slurry)	4.8 - 6.7
Viscosity (CML-Brabender-151)	
Peak	650 - 900 BU
Peak + 10 Minute Drop	75 - 275 BU

Microbiological Specifications:

Total Plate Count	10,000/g maximum
Yeast	200/g maximum
Mold	200/g maximum
E. Coli	negative
Salmonella	negative

Meets NFPA specification for thermophilic bacteria.

Packaging and Storage:

National 1658 is packaged in four-ply, Kraft paper bags with a net weight of 100 lbs.
 We recommend that National 1658 be stored in a clean, dry area at ambient temperature and away from heavily aromatic material. The shelf life for National 1658 is 24 months from the date of manufacture.

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The information given in the recommendations made herein are based on our research and are believed to be accurate but no guarantee of their accuracy is made. We hereby disclaim any and recommend that purchasers before using our product, in full scale production make their own tests to determine to their own satisfaction whether the product is of acceptable quality, and if suitable, for their particular purposes under their own operating conditions. No representative of our firm has any authority to warrant or change the foregoing provisions that, subject to such limitations, our engineers are available to assist purchasers in adapting our products to their needs and to the circumstances prevailing in their own areas. Nothing contained herein shall be construed to constitute an offer of insurance or any other financial product or to constitute a profession, indication or recommendation or practice are intended covered by any patent, which it is hereby form the owner of the patent.