



## THE INTERNATIONAL GROUP, INC.

USA: 1007 East Spring Street · Titusville, PA 16354 · Toll Free: 1-800-852-6537 · Telephone: (814) 827-4900 · Fax: (814) 827-2363  
Canada: 50 Salome Drive · Toronto, Ontario M1S 2A8 · Toll Free: 1-800-561-3509 · Telephone: (416) 293-4151 · Fax: (416) 293-5858  
Website: www.igiwx.com

### MICROSERE® 5890A

**MICROSERE® 5890A** is a white, high-melt, microcrystalline wax that is used in a variety of applications.

**MICROSERE® 5890A** complies with the requirements for “Microcrystalline Wax” set by the United States Pharmacopeia (USP) / National Formulary (NF).

#### PHYSICAL PROPERTIES

TEST METHODS	ASTM METHOD	SPECIFICATIONS		TYPICAL
		Minimum	Maximum	
Drop Melt Point °F (°C)	D 127	175 (79.4)	188 (86.7)	181 (82.8)
Kinematic Viscosity, cSt @ 212°F (100°C)	D 445	14.4	----	17.6
Oil Content, Wt%	D 721	----	2.0	1.5
Flash Point (C.O.C.), °F (°C)	D 92	530 (277)	----	----
Saybolt Color	D 6045	+16	----	+25
Odor	D 1833	----	2	1
Needle Penetration, dmm @ 77°F (25°C)	D 1321	15	22	21

Note: Physical properties for which ONLY a typical value is listed are included as additional information but may not be printed on the COA.

#### FDA STATUS:

This product meets the FDA requirements set forth in 21 CFR 178.3710 for use in contact with food. For additional FDA compliance information, please contact your IGI Sales Representative.

1/3/18

#### WARRANTY DISCLAIMER STATEMENT

While the data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. As actual conditions of use may vary and are beyond the control of THE INTERNATIONAL GROUP, INC., the product's specified characteristics cannot be guaranteed and are offered solely for the buyer's evaluation and verification. **SELLER (AND THE INTERNATIONAL GROUP, INC. AND ANY OF ITS OFFICERS, EMPLOYEES, PARENTS, SUBSIDIARIES, OR AFFILIATES) MAKES NO WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE DATA OR INFORMATION PROVIDED, OR THE PRODUCTS OR GOODS, INCLUDING ANY (a) WARRANTY OF MERCHANTABILITY; (b) WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE; (c) WARRANTY OF TITLE; OR (d) WARRANTY AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS OF A THIRD PARTY; WHETHER ARISING BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE OR OTHERWISE, NOR ANY OTHER WARRANTY, REPRESENTATION, OR CONDITIONS, EXPRESS OR IMPLIED, IN CONNECTION WITH THE SALE OF THE PRODUCTS DESCRIBED IN THIS BULLETIN.** Furthermore, INTERNATIONAL GROUP, INC. assumes no liability or obligation in connection with use of this information. Accordingly, the buyer and each user assumes all risks and liability in connection with their use of such products. Nothing contained herein is to be construed as permission, recommendation or inducement by THE INTERNATIONAL GROUP, INC. or its officers, employees, parents, subsidiaries or affiliates, to use any product or process so as to infringe or conflict with any patent. Further, it is the user's obligation to utilize this material in full compliance with health, safety and environmental regulations. THE INTERNATIONAL GROUP, INC. recommends that the Material Safety Data Sheet for this product be consulted prior to handling.