

## Common Application

### **MICRO WAX SPECIFICATION (Special Grade - White)**

TEST	METHOD	SPECIFICATION
<b>Melting Point</b>	ASTM D 123-63	80-85
<b>Congealing Point</b>	ASTM D 938-71	70-75
<b>Needle Penetration @ 25° C/ 35° C</b>	ASTM D 5-73	10-15
<b>Oil Content</b>	ASTM D 721-68	1.50% Max.
<b>Color Saybolt</b>	ASTM D 1500	0.00-0.50
<b>Flash Point</b>		260° - 280° C
<b>Total Acidity</b>	IS : 1448 P-2	0.50 Max.
<b>Ash Content</b>	IS : 1448 P-1	0.03 Max.

### **MICRO WAX SPECIFICATION (Cosmetic Grade - White)**

TEST	METHOD	SPECIFICATION
<b>Melting Point</b>	ASTM D 127 - 26	80 - 90
<b>Congealing Point</b>	ASTM D 938 - 71	75 - 85
<b>Needle Penetration @ 25° C/ 35° C</b>	ASTM D5 - 73	15 - 20
<b>Oil Content</b>	ASTM D 721 - 68	3 % Max.
<b>Color Saybolt</b>	ASTM D 1500	0.5 - 2.5
<b>Flash Point</b>		280° - 300° C
<b>Total Acidity</b>	IS : 1448 P-2	0.50
<b>Ash Content</b>	AST, D 482 - 50	0.03 Max.

### **SPECIFICATION OF MICRO WAX 961**

TEST	METHOD	SPECIFICATION	RESULT
<b>Congealing Point</b>	ASTM D 938	71 - 75° C	73
<b>Needle Penetration @ 25° C</b>	ASTM D 1321	25 - 33 (dmm)	33
<b>Color (White)</b>	ASTM D 1500	Max. 0.5	0.5
<b>Physical State (25° C)</b>		Solid	

### **SPECIFICATION OF Hi Mic 1080 MICRO WAX**

<b>TEST</b>	<b>METHOD</b>	<b>SPECIFICATION</b>
<b>Melting Point</b>	ASTM D 183	83.3 <sup>o</sup> C
<b>Congearing Point</b>	ASTM D 938	---
<b>Needle Penetration @ 25<sup>o</sup> C/ 35<sup>o</sup> C</b>	ASTM D 1321	11 - 21
<b>Oil Content</b>	ASTM D 721	0.22
<b>Viscosity @ 100<sup>o</sup> C cS D445</b>		15.1
<b>Color Saybolt</b>	ASTM D 1500	L 0.5
<b>Color Visual</b>		Creamish
<b>Flash Point</b>	ASTM D 92	310 <sup>o</sup> C
<b>U. V. Absorption FDA 178.3710 (B)</b>		PASS
<b>Packing (Kgs. Nett)</b>		27.00

#### **SPECIFICATION OF HUNGARY DMWF 78/83 MICRO WAX**

<b>TEST</b>	<b>METHOD</b>	<b>SPECIFICATION</b>
<b>Melting Point</b>	ASTM D 566	79.0
<b>Needle Penetration @ 25<sup>o</sup> C/ 35<sup>o</sup> C</b>	ASTM D 1321	21.0
<b>Oil Content</b>	ASTM D 721	1.48 %
<b>Viscosity @ 100<sup>o</sup> C mm/s</b>	ISO 3104	16.68
<b>Color (ASTM)</b>	ASTM D 1500	2.0
<b>Odor</b>	ASTM D 1833	1.0
<b>FDA</b>	FDA 172886	
<b>280 - 289 nm</b>		0.08
<b>290 - 299 nm</b>		0.07
<b>300 - 359 nm</b>		0.05
<b>360 - 400 nm</b>		0.01
<b>Packing (Kgs. Nett)</b>		24.00

**For Cosmetic Grade**

**SPECIFICATION OF MICRO WAX 961**

TEST	METHOD	SPECIFICATION	RESULT
<b>Congealing Point</b>	ASTM D 938	71 - 75° C	73
<b>Needle Penetration @ 25° C</b>	ASTM D 1321	25 - 33 (dmm)	33
<b>Color (White)</b>	ASTM D 1500	Max. 0.5	0.5
<b>Physical State (25° C)</b>		Solid	

**SPECIFICATION OF Hi Mic 1080 MICRO WAX**

TEST	METHOD	SPECIFICATION
<b>Melting Point</b>	ASTM D 183	83.3° C
<b>Congealing Point</b>	ASTM D 938	---
<b>Needle Penetration @ 25° C/ 35° C</b>	ASTM D 1321	11 - 21
<b>Oil Content</b>	ASTM D 721	0.22
<b>Viscosity @ 100° C cS D445</b>		15.1
<b>Color Saybolt</b>	ASTM D 1500	L 0.5
<b>Color Visual</b>		Creamish
<b>Flash Point</b>	ASTM D 92	310° C
<b>U. V. Absorption FDA 178.3710 (B)</b>		PASS
<b>Packing (Kgs. Nett)</b>		27.00

**SPECIFICATION OF HUNGARY DMWF 78/83 MICRO WAX**

TEST	METHOD	SPECIFICATION
<b>Melting Point</b>	ASTM D 566	79.0
<b>Needle Penetration @ 25° C/ 35° C</b>	ASTM D 1321	21.0
<b>Oil Content</b>	ASTM D 721	1.48 %
<b>Viscosity @ 100° C mm/s</b>	ISO 3104	16.68
<b>Color (ASTM)</b>	ASTM D 1500	2.0
<b>Odor</b>	ASTM D 1833	1.0

<b>FDA</b>	FDA 172886	
<b>280 - 289 nm</b>		0.08
<b>290 - 299 nm</b>		0.07
<b>300 - 359 nm</b>		0.05
<b>360 - 400 nm</b>		0.01
<b>Packing (Kgs. Nett)</b>		24.00

### **SPECIFICATION OF Shell LMP MICRO WAX**

<b>TEST</b>	<b>METHOD</b>	<b>SPECIFICATION</b>
<b>Melting Point</b>	ASTM D 127	66° C
<b>Congealing Point</b>	ASTM D 938	63° C
<b>Needle Penetration @ 25° C/ 35° C</b>	ASTM D 1321	24.00
<b>Oil Content</b>	ASTM D 721	0.6
<b>Viscosity @ 100° C cS D445</b>		16.7
<b>Color Saybolt</b>	ASTM D 156	+15 Saybolt
<b>Color Visual</b>		White
<b>Flash Point</b>	ASTM D 92	> 350° C
<b>U. V. Absorption FDA 178.3710 (B)</b>		PASS
<b>Packing (Kgs. Nett)</b>		24.80

### **SPECIFICATION OF WITCO W445 MICRO WAX**

<b>TEST</b>	<b>METHOD</b>	<b>SPECIFICATION</b>
<b>Melting Point</b>	ASTM D 127	76.7 - 82.2
<b>Congealing Point</b>	ASTM D 938	---
<b>Needle Penetration @ 25° C/ 35° C</b>	ASTM D 1321	25 - 35
<b>Oil Content</b>	ASTM D 721	-
<b>Viscosity @ 100° C cS D445</b>		14.3 - 18.0
<b>Color Saybolt</b>	ASTM D 156	+ 16 Min.
<b>Color Visual</b>		White
<b>Flash Point</b>	ASTM D 92	530 Min.
<b>Packing (Kgs. Nett)</b>		27.220

**SPECIFICATION OF 2305 MICRO WAX**

<b>TEST</b>	<b>METHOD</b>	<b>SPECIFICATION</b>
<b>Melting Point</b>	ASTM D 127	75 – 85
<b>Congealing Point</b>	ASTM D 938	70 – 77
<b>Needle Penetration @ 25° C/ 35° C</b>	ASTM D 1321	25 – 35
<b>Oil Content</b>	ASTM D 721	3 % Max.
<b>Viscosity @ 100° C cS D445</b>		10 – 16
<b>Color Saybolt</b>	ASTM D 1500	3
<b>Color Visual</b>		Yellow
<b>Flash Point</b>		230° C
<b>Packing (Kgs. Nett)</b>		24.00

**SPECIFICATION OF MICRO WAX 2306**

<b>TEST</b>	<b>METHOD</b>	<b>SPECIFICATION</b>	<b>RESULT</b>
<b>Congealing Point</b>	ASTM D 938	70 - 76° C	75
<b>Needle Penetration @ 25° C</b>	ASTM D 1321	27 - 37 (dmm)	27
<b>Viscosity @ 100° C</b>	ASTM D 445	13 – 17 (cst)	15
<b>Color (Yellow)</b>	ASTM D 1500	2 Max.	2
<b>Physical State (25° C)</b>		Solid	