

## Cable Filling Compound (Cable Jelly) Specification

Item	Parameters	Result	Test Method
1	Drop Melting Point Min °C	Min 90	ASTM D-127
2	Dielectric Constant (at 23 °C IM HZ)	Max 2.3	ASTM D-150
3	Cone Penetration @ 25 °C	Min 50	ASTM D-937
4	Dissipation Factor (at 23 °C IM HZ)	Max 0.0015	ASTM D-150
5	Volume Resistivity	Min 1, Max 2.3	ASTM D-1169
6	OIT (at 190 °C .cu. pan)	Min 10	ASTM D-3895
7	Kinematic Viscosity@120 °C	Min 150	ASTM D-445
8	Corrosively	Non Corrosive	IEC 538 B
9	Phase Separation (at 70 °C 1day)	Pass	IEC 811-5-1

## Candle Jelly Specification

Item	Parameters	Unit	Result	Test Method
1	Color		Transparent, Water White	Visual
2	Drop Melting Point	°C	76-85	ASTM D-127
3	Penetration	mm/s	150-185	ASTM D-937
4	Flash Point	°C	Min 190	ASTM D-93
5	Density @ 20 °C	gr/cm <sup>3</sup>	0.8 -0.85	ASTM D-1298
6	Viscosity @ 100 °C	cst	300	ASTM D-445

## Hard Wax (Solid Paraffin Wax) Specification

### Paraffin Wax %1-3 (Slab)

Item	Parameters	Unit	Result	Test Method
1	Oil Content	%wt	1-3	ASTM D-721
2	Melting Point	°C	65-68 °C	ASTM D-87
3	Penetration	0.1 mm	Max. 29	ASTM D-1321

### Paraffin Wax %3-5 (Slab)

Item	Parameters	Unit	Result	Test Method
1	Oil Content	%wt	3-5	ASTM D-721
2	Melting Point	°C	64-67	ASTM D-87
3	Penetration	0.1 mm	Max. 37	ASTM D-1321

### Paraffin Wax %5-7 (Slab)

Item	Parameters	Unit	Result	Test Method
1	Oil Content	%wt	5-7	ASTM D-721
2	Melting Point	°C	63-66	ASTM D-87
3	Penetration	0.1 mm	Max 40	ASTM D-1321
4	Kinematic Viscosity@100°C	cst	6-7	ASTM D-445

### Semi Refined Paraffin Wax %7-10 (Slab)

Item	Parameters	Unit	Result	Test Method
1	Oil Content	%wt	7-10	ASTM D-721
2	Melting Point	°C	56-60	ASTM D-87
3	Penetration	0.1 mm	38-42	ASTM D-1321

### Granule Wax Specification

Item	Parameters	Unit	Result	Test Method
1	Oil Content	%wt	1-2%	ASTM D-721
2	Melting Point	°C	65-68 °C	ASTM D-87
3	Penetration	0.1 mm	Max. 29	ASTM D-1321

### Flake Wax Specification

Item	Parameters	Unit	Result	Test Method
1	Oil Content	%wt	1-2%	ASTM D-721
2	Melting Point	°C	65-68 °C	ASTM D-87
3	Penetration	0.1 mm	Max. 29	ASTM D-1321

## Liquid Paraffin (White Oil)

### Industrial Liquid Paraffin Specification

Item	Parameters	Unit	Result	Test Method
1	Appearance	Transparent		
2	Flash Point	°C	Min 190 °C	Min 190 °C
3	Kinematic Viscosity 40 °C	cst	17- 24	17- 24 cst
4	Pour Point	°C	0 to 5 °C	0 to 5 °C
5	Acidity or Alkalinity	Ph	Passed	Passed
6	Color (Lovi Bond )	yellow	0.1 - 0.2 y	IP-17
7	Sp-Gravity @ 25 °C	g/cm <sup>3</sup>	0.760 - 0.860	ASTM D-1298
8	Odor	---	Odor less	BP-2012

## Cosmetic Liquid Paraffin Specification

Item	Parameters	Unit	Result	Test Method
1	Appearance	Transparent		
2	Flash Point °C	°C	Min 190	ASTM D-92
3	Kinematic Viscosity 40 °C	cst	16-24	ASTM D-445
4	Pour Point °C	°C	· to +5	ASTM D-97
5	Acidity or Alkalinity	ph	Passed	BP-2012
6	Color ( Lovi Bond )	yellow	(0.· - 0.5)	IP- 17Cell1"
7	Sp -Gravity @ 25 °C	g/cm <sup>3</sup>	0.825 - 0.850	ASTM D-1298
8	Odor	---	Odor less	BP-2012
9	Polycyclic Aromatic Hydrocarbon	---	Passed	BP-2012
10	Heavy Metals ( Pb &AS )	%w/w	Passed	ISIRI-5812
11	Solid Paraffin	%w/w	Passed	ISIRI-5812

## Pharmaceutical Liquid Paraffin Specification

Item	Parameters	Unit	Result	Test Method
1	Appearance	Transparent		
2	Flash Point °C	°C	Min 190	ASTM D-92
3	Kinematic Viscosity 40 °C	cst	16-24	ASTM D-445
4	Pour Point °C	°C	-5 to +5	ASTM D-97
5	Acidity or Alkalinity	ph	Passed	BP-2012
6	Color ( Lovi Bond )	yellow	0.1 - 0.2	IP- 17Cell1"
7	Sp-Gravity @ 25 °C	g/cm <sup>3</sup>	0.790 - 0.850	ASTM D-1298
8	Odor	---	Odor less	BP-2012
9	Polycyclic Aromatic Hydrocarbon	---	Passed	BP-2012
10	Heavy Metals ( Pb & AS )	%w/w	Passed	ISIRI-5812
11	Solid Paraffin	%w/w	Passed	ISIRI-5812

### Micro Wax (Cosmetic Grade) Specification

Item	Parameters	Result	Test Method
1	Penetration (Consistency) @ 25 °C	80 – 140mm/s	ASTM D-937
2	Color (lovi bond) cell 1”	1.5-3 y	I P – 17cell 1”
3	Kinematic Viscosity@100 °C	5.5-7.5 cst	ASTM D-445
4	Drop Melting Point °C	65-70 °C	ASTM D-127
5	Congealing °C	55 – 65 °C	ASTM D-938
6	Uv Absorbance 290 nm	Max 0.25	BP-2012
7	Acidity or Alkalinity	Passed	BP-2012
8	Polycyclic Aromatic Hydrocarbons	Passed	BP-2012
9	Sulphated Ash	Less 0.1 %	BP-2012
10	Arsenic	Passed	ISIRI-3949
11	Heavy Metal (Pb)	Passed	ISIRI-3949

## Petroleum Jelly (Vaseline) Specification

### Ultra Snow White Petroleum Jelly (Cosmetic Grade) Specification

Item	Parameters	Unit	Result	Test Method
1	Appearance	According To BP 2013		
2	Penetration(Consistency) @ 25 °C	mm/s	120 – 200	ASTM D-937
3	Color (Lovi Bond) Cell 1”	yellow	0.1-0.3 y	I P – 17cell 1”
4	Kinematic Viscosity@100 °C	cst	5.5-6.0	ASTM D-445
5	Drop Melting Point °C	°C	64-70	ASTM D-127
6	Congealing °C	°C	60 – 65	ASTM D-938
7	Uv Absorbance 290 nm	---	Max 0.25	BP-2012
8	Acidity or Alkalinity	ph	Passed	BP-2012
9	Polycyclic Aromatic Hydrocarbons	---	Passed	BP-2012
10	Sulphated Ash	%w/w	Less 0.1 %	BP-2012
11	Arsenic	%w/w	Passed	ISIRI-3949
12	Heavy Metal (pb)	%w/w	Passed	ISIRI-3949

Snow White Petroleum Jelly  
(Pharmaceutical Grade) Specification

Item	Parameters	Unit	Result	Test Method
1	Appearance	According To BP 2013		
2	Penetration(Consistency) @ 25 °C	mm/s	100 - 200	ASTM D-937
3	Color (Lovi Bond) cell 1"	yellow	0.3 – 1.5 y	I P – 17 cell 1"
4	Kinematic Viscosity@100 °C	cst	5.5-6.0	ASTM D-445
5	Drop Melting Point °C	°C	60-65	ASTM D-127
6	Congealing °C	°C	52 – 58	ASTM D-938
7	Uv Absorbance 290 nm	---	Max 0.25	BP-2012
8	Acidity or Alkalinity	Ph	Passed	BP-2012
9	Polycyclic Aromatic Hydrocarbons	----	Passed	BP-2012
10	Sulphated Ash	%w/w	Less 0.1 %	BP-2012
11	Arsenic	%w/w	Passed	ISIRI-3949
12	Heavy Metal (Pb)	%w/w	Passed	ISIRI-3949

Snow White Petroleum Jelly  
(Cosmetic Grade) Specification

Item	Parameters	Unit	Result	Test Method
1	Appearance	According To BP 2013		
2	Penetration(Consistency)@ 25 °C	mm/s	90 – 160	ASTM D-937
3	Color (Lovi Bond)	yellow	0.3-0.7 y	I P – 17cell 1”
4	Kinematic Viscosity@100 °C	cst	5.5-6.0	ASTM D-445
5	Drop Melting Point °C	°C	60-65	ASTM D-127
6	Congealing °C	°C	52 – 58	ASTM D-938
7	Uv Absorbance 290 nm	---	Max 0.25	BP-2012
8	Acidity or Alkalinity	Ph	Passed	BP-2012
9	Polycyclic Aromatic Hydrocarbons	---	Passed	BP-2012
10	Sulphated Ash	%w/w	Less 0.1 %	BP-2012
11	Arsenic	%w/w	Passed	ISIRI-3949
12	Heavy Metal (Pb)	%w/w	Passed	ISIRI-3949

## Industrial White Petroleum Jelly Specification

Item	Parameters	Unit	Result	Test Method
1	Penetration	mm/s	100-140	ASTM D-937
2	Color (Lovi Bond)	yellow	0.7 – 1.5	IP – 17
3	Kinematic Viscosity@100 °C	cst	5.5 – 7	ASTM D-445
4	Melting Point	°C	60 - 65	ASTM D-127
5	Congealing	°C	50 - 60	ASTM D-938
6	Flash Point( Close Cup)	°C	195-215	ASTM D-92
7	Acidity or Alkalinity	Ph	Passed	BP-2007
8	Density @70 °C	g/cm <sup>3</sup>	0.785 – 0.860	ASTM D-1298

### Residue Wax Specification

Item	Parameters	Unit	Result	Test Method
1	Oil Content	%wt	20-30	ASTM D-721
2	Kinematic Viscosity @ 100 °C	cst	6-7.5	ASTM D-445
3	Flash Point	°C	230-250	ASTM D-92
4	Color	-	Max 2	ASTM D-1500