



Certificate of Analysis

Product		BEES WAX		
Sr. No	Tests	Specification	Results Obtained	Method reference
1.	Descr(ption	White or Yellowish-white color pieces, plates, slab or pastilles translucent when thin, with a fine-grained, matt, non-crystalline fracture; becomes soft and pliable when warmed by hand. Soluble in volatile and and fixed	Yellowish-white color slab, translucent when thin, with a finegrained, matt, non-crystalline fracture; becomes soft and pliable when warmed by hand. Soluble in volatile and and fixed	IP-2024
2.	Solubility	oils; pa1tially soluble in hot ethanol (90 %) and in ether;	oils; partially soluble in hot ethanol (90 %) and in ether; practically	fP-2024
		practically insoluble in water.	insoluble in water.	
1	Melting range	61 °C - 65 °C	64.3 °C	IP-2024
4.	Acid value	5- 15	9.45	IP-2024
5.	Ester value	75- 95	84.86	IP-2024
6.	Saponification value	87- 104	94.31	fP-2024
7.	Ceresi11, paraffin & other waxes	Solution may be opalescent & no precipitate before the temperature reaches 65'C	Complies	IP-2024
8.	Glycerin & other polyhydric alcohols	Any bluish violet color of solution A is not more intense then that solution B	Complies	fP-2024
9	Ratio number	5 - 19	8.97	fP-2024
10.	Fats, Fatty acids, Japan wax and Resins	No precipitate is produced	Complies	IP-2024