

# Biotin 1%

INCI Name: Biotin 1%

CAS Numbers: 58-85-5

## Description:

Biotin is a water-soluble B complex vitamin, which is most commonly known as Vitamin H. It can influence the composition of keratin and promote the formation of intercellular lipid layers through increased lipid synthesis, which improves the skin's natural barrier function. Biotin has an effect on fine and brittle hair by improving the quality of the keratin structures formed and it also provides a distinct reduction in fine wrinkles in the skin when applied topically.



## Technical Data:

<b><u>Physical</u></b>	<b><u>Specification</u></b>
Appearance	White – off white powder
<b><u>Composition</u></b>	
Biotin	NLT 1.0%
Loss on drying LT 5%	0.2%
<b><u>Safety</u></b>	
Lead (Pb)	LT 10 ppm
Arsenic (As)	LT 3 ppm
Cadmium (Cd)	LT 5 ppm
Mercury (Hg)	LT 1 ppm
<b><u>Additional Testing</u></b>	
Bulk density	Report
Particle size	80 mesh
<b><u>Microbiology</u></b>	
Total plate count	NMT 5,000 cfu/g
Yeast and mold	NMT 500 cfu/g
E. coli	Negative/g
Salmonella	Negative/25g

## Applications:

It is sold as a dietary supplement in capsules or tablets, either alone, in a multi-vitamin, or combined with brewer's yeast. Biotin is also added to cosmetics and



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