

53501 Fish Silver Powder, Guanine

Description: A soft white powder of natural pearl essence crystals
INCI Name: Guanine (and) Methyl Cellulose

Guanine (2-amino-6-oxypurine) is one of the four main nitrogenous bases found in nucleic acids (e.g., DNA and RNA). Guanine is a purine derivative and in Watson-Crick base pairing forms hydrogen bonds with cytosine. The nucleoside is called guanosine.

Guanine is also the name of a white amorphous substance found in the scales of certain fishes, the guano of sea-birds, and the liver and pancreas of mammals.

Specifications:

Guanine: 98 %

Trace Elements:

Lead (Pb): < 5 ppm
Arsenic (As): < 0.5 ppm
Mercury (Hg): < 0.04 ppm

Typical Properties:

Typical composition	CAS Number	Content by weight
Water	7732-18-5	1 – 2 %
Guanine	73-40-5	97 – 98 %
Methyl Cellulose	9004-67-5	1 – 4 %
Preservatives*	---	< 0.3 %

*Note: Preservative-Methylparaben (CAS-No. 99-76-3), and Propylparaben (CAS-No. 94-13-3)

Dispersion Techniques:

Fish silver powder should be dispersed in a solution at 0.5-2.0 % of methyl cellulose in small amounts, stir slowly and gently for 5 minutes, then let rest for 30 min., after that resume stirring for another 10 min.