

Specification

Ceapro Product Name: **CP Oat Avenanthramide Extract**

Ceapro Product Number: **902-3043**

Product Characteristics

Color:	Pale yellow - Brown
Appearance	Clear-Hazy liquid
Odor	Ceapro Reference Standard

Physical-chemical Properties

Avenanthramides ¹ , AV-A, AV-B and AV-C (ppm)	100.00-120.00
Protein ² (%)	≤2.00
pH @ 25°C	3.50-5.00
Turbidity ³ (NTU) @ 25°C	<20.00

Microbiological Properties

Aerobic Plate Count ⁴ (cfu/mL)	Max 100
Yeasts & Moulds ⁵ (cfu/mL)	Max 10
Gram Negative Bacteria (cfu/mL)	Absent
[<i>Escherichia coli</i> ⁶ , <i>Pseudomonas aeruginosa</i> ⁷ and <i>Salmonella spp</i> ⁸]	
<i>Staphylococcus aureus</i> ⁹ (cfu/mL)	Absent
Gram Negative Rods	Absent
Residual Solvent ¹⁰ (%)	Max 2.5
Impurity: Diethylene Glycol and Ethylene Glycol ¹¹ (%)	Max 0.1

Preservative

0.2% (w/w) Potassium sorbate

Product formulated in : glycerol and water (1:1 w/w)

References

¹ Assayed by Ceapro HPLC method

² Assayed by method of Kjeldahl: Standard Methods for the Examination of Dairy Products 17th ed.

³ Determination of Turbidity by Nephelometry (EPA Method 180.1)

⁴ Determination of Aerobic Colony Count in Food (MFHPB-18)

⁵ Enumeration of Yeast and Moulds in Foods (MFHPB-22)

⁶ Enumeration of *E.coli* and Coliforms (MFHPB-34)

⁷ Enumeration of *Pseudomonas spp* (FM-0304-03) Food Safety Division, Alberta Agriculture, Food and Rural Development

⁸ Methods for the Detection of *Salmonella* (MFLP-29)

⁹ Enumeration of *Staphylococcus aureus* in Foods (MFHPB-21)

¹⁰ Analysis of Ethanol using Megazyme Method

¹¹ Analysis of Diethylene glycol by GC-FID method

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