

Certificate of Analysis

Ceapro Product Name: **CP Oat Beta Glucan Liquid**
 Ceapro Product Number: **901-3045**
 Lot Number: **ED25K3**
 Manufacturing Date: **November, 2025**
 Expiry Date: **November, 2027**
 Storage Conditions: **Store at controlled room temperature only. Any unused portion should be kept sealed in the original container to avoid any contamination**
 Sales Order Number: **3389**
 Purchase Order Number: **5443**

Product Characteristics

Color

Specification

Colourless- Slightly Yellow

Analysis

Slightly yellow

Appearance

Clear-Hazy liquid

Slightly hazy

Odor

Ceapro Reference Standard

Pass

Physical-chemical Properties

 Oat Beta Glucan Concentration¹ (%)

0.90-1.10

0.95

 Oat Beta Glucan Solution Viscosity² (cP)

≥100

146.00

 Protein³(%)

≤1.0

0.82

 Turbidity⁴(NTU) @ 25°C

≤40

12.85

pH @ 25°C

4.50-5.50

4.65

Microbiological Properties

 Aerobic Plate Count⁵ (cfu/mL)

<100

<10

 Yeasts & Moulds⁶ (cfu/mL)

<100

<10

Gram Negative Bacteria (cfu/mL)

 [*Escherichia coli*⁷, *Pseudomonas aeruginosa*⁸,
and *Salmonella spp*⁹]

Absent

Absent

 Staphylococcus aureus¹⁰(cfu/mL)

Absent

Absent

 Residual Solvent¹¹ (%)

2.5 max

1.1

Preservative:

0.5% (w/w) Sodium benzoate, 0.3% (w/w) Potassium sorbate

References

¹ Assayed by Ceapro method (QC-SOP-008)

² Brookfield Viscometer Measurement method (QC-SOP-015)

³ Assayed by method of Kjeldahl: AOAC

⁴ Determination of Turbidity by Nephelometry (EPA Method 180.1)

⁵ Determination of the Aerobic Colony Count in Food (MFHPB-18)

⁶ Enumeration of Yeast and Moulds in Foods (MFHPB-22)

⁷ Enumeration of *E.coli* and Coliforms (MFHPB-34)

⁸ Enumeration of *Pseudomonas spp* (SOP LW 030)

⁹ Methods for the Detection of *Salmonella* (MFLP-29)

¹⁰ Enumeration of *Staphylococcus aureus* in Foods (MFHPB-21)

¹¹ Analysis of Ethanol Using Megazyme Method (QC-SOP-014)

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Date: February 17, 2026