

biopolife

ANALYSIS PORTFOLIO

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E 400 - Alginic Acid

Purity based on EC 231/2012

pH
Loss on drying
Sulphated ash
Sodium hydroxide
Formaldehyde
Arsenic
Lead
Mercury
Cadmium
Total plate count
Yeast and moulds
Escherichia coli
Salmonella spp.

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Gel strength
Turbidity
Viscosity
Gelling point
Melting point
Syneresis

E 401 - Sodium Alginate

Purity based on EC 231/2012

Loss on drying
Water insoluble matter
Formaldehyde
Arsenic
Lead
Mercury
Cadmium
Total plate count
Yeast and moulds
Escherichia coli
Salmonella spp.

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Gel strength
Turbidity
Viscosity
Gelling point
Melting point
Syneresis

E 402 - Potassium Alginate

Purity based on EC 231/2012

Loss on drying
Water insoluble matter
Formaldehyde
Arsenic
Lead
Mercury
Cadmium
Total plate count
Yeast and moulds
Escherichia coli
Salmonella spp.

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Gel strength
Turbidity
Viscosity
Gelling point
Melting point
Syneresis

E 403 - Ammonium Alginate

Purity based on EC 231/2012

Loss on drying
Water insoluble matter
Formaldehyde
Arsenic
Lead
Mercury
Cadmium
Total plate count
Yeast and moulds
Escherichia coli
Salmonella spp.

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Gel strength
Turbidity
Viscosity
Gelling point
Melting point
Syneresis

E 404 - Calcium Alginate

Purity based on EC 231/2012

Loss on drying
Formaldehyde
Arsenic
Lead
Mercury
Cadmium
Total plate count
Yeast and moulds
Escherichia coli
Salmonella spp.

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Gel strength
Turbidity
Viscosity
Gelling point
Melting point
Syneresis

E 405 - Propane-1,2-Diol Alginate

Purity based on EC 231/2012

Loss on drying
Total propane-1,2-diol content
Free propane-1,2-diol content
Formaldehyde
Arsenic
Lead
Mercury
Cadmium
Total plate count
Yeast and moulds
Escherichia coli
Salmonella spp.

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Turbidity
Viscosity

E 406 - Agar-Agar

Purity based on EC 231/2012

Loss on drying
Ash
Acid-insoluble ash
Insoluble matter
Starch
Gelatin & proteins
Water absorption
Arsenic
Lead
Mercury
Cadmium
Total plate count
Yeast and moulds
Escherichia coli
Salmonella spp.

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Gel strength
Sugar gel strength
Gel strength after sterilization
Turbidity
pH
Viscosity
Gelling point
Melting point
Swelling index
Syneresis

E 407 – Carrageenan

Purity based on EC 231/2012

Solvent residues

Viscosity

Loss on drying

Sulphates

Ash

Acid-insoluble ash

Acid-insoluble matter

Low molecular weight carrageenan

Arsenic

Lead

Mercury

Cadmium

Total plate count

Yeast and moulds

Escherichia coli

Salmonella spp.

Additional Analysis

Granulometry

Color (L, a, b)

Whiteness

Water gel strength

Salt gel strength

Turbidity

pH

Viscosity

Gelling point

Melting point

Syneresis

E 407a – Processed Euchema Seaweed

Purity based on EC 231/2012

Solvent residues
Viscosity
Loss on drying
Sulphates
Ash
Acid-insoluble ash
Acid-insoluble matter
Low molecular weight carrageenan
Arsenic
Lead
Mercury
Cadmium
Total plate count
Yeast and moulds
Escherichia coli
Salmonella spp.

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Water gel strength
Salt gel strength
Turbidity
pH
Viscosity
Gelling point
Melting point
Syneresis

E 410 – Locust Bean Gum

Purity based on EC 231/2012

Loss on drying
Ash
Protein (N x 6,25)
Acid-insoluble matter
Starch
Arsenic
Lead
Mercury
Cadmium
Ethanol and propan-2-ol

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Gel strength
Turbidity
pH
Viscosity
Gelling point
Melting point
Syneresis

E 412 – Guar Gum

Purity based on EC 231/2012

Loss on drying
Ash
Acid-insoluble matter
Protein
Starch
Organic peroxides
Furfural
Pentachlorophenol
Arsenic
Lead
Mercury
Cadmium

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Turbidity
pH
Viscosity

E 413 – Tragacanth

Purity based on EC 231/2012

Loss on drying
Total ash
Acid insoluble ash
Acid insoluble matter
Arsenic
Lead
Mercury
Cadmium
Salmonella spp.
Escherichia coli

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Turbidity
pH
Viscosity

E 414 – Acacia Gum

Purity based on EC 231/2012

Loss on drying
Total ash
Acid insoluble ash
Acid insoluble matter
Starch or dextrin
Tannin
Arsenic
Lead
Mercury
Cadmium
Hydrolysis products
Salmonella spp.
Escherichia coli

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Turbidity
pH
Viscosity

E 415 – Xanthan Gum

Purity based on EC 231/2012

Loss on drying
Total ash
Pyruvic acid
Nitrogen
Ethanol and propan-2-ol
Lead
Total plate count
Yeast and moulds
Escherichia coli
Salmonella spp.
Xanthomonas campestris

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Turbidity
pH
Viscosity

E 416 – Karaya Gum

Purity based on EC 231/2012

Loss on drying
Total ash
Acid insoluble ash
Acid insoluble matter
Volatile acid
Starch
Arsenic
Lead
Mercury
Cadmium
Salmonella spp.
Escherichia coli

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Turbidity
pH
Viscosity

E 417 – Tara Gum

Purity based on EC 231/2012

Loss on drying
Ash
Acid insoluble matter
Protein
Starch
Arsenic
Lead
Mercury
Cadmium

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Turbidity
pH
Viscosity

E 418 – Gellan Gum

Purity based on EC 231/2012

Loss on drying

Nitrogen

Propan-2-ol

Arsenic

Lead

Mercury

Cadmium

Total plate count

Yeast and moulds

Escherichia coli

Salmonella spp.

Additional Analysis

Granulometry

Color (L, a, b)

Whiteness

Gel strength

Turbidity

pH

Viscosity

Gelling point

Melting point

Syneresis

E 424 – Curdlan Gum

Additional Analysis

Granulometry

Color (L, a, b)

Whiteness

Gel strength

Turbidity

pH

Viscosity

Gelling point

Melting point

Syneresis

E 425(i) – Konjac Gum

Purity based on EC 231/2012

Loss on drying
Starch
Protein
Viscosity (1% solution)
Ether-soluble material
Total ash
Arsenic
Lead
Salmonella spp.
Escherichia coli

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Turbidity
pH
Viscosity

E 425(ii) – Konjac Glucomannan

Purity based on EC 231/2012

Loss on drying
Starch
Viscosity (1% solution)
Protein
Ether soluble material
Sulphite (as SO₂)
Chloride
50% Alcohol-soluble material
Total ash
Lead
Salmonella spp.
Escherichia coli

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Turbidity
pH
Viscosity

E 426 – Soybean Hemicellulose

Purity based on EC 231/2012

pH
Loss on drying
Protein
Viscosity
Total ash
Arsenic
Ethanol
Lead
Mercury
Cadmium
Total plate count
Yeast and moulds
Escherichia coli

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Turbidity
pH
Viscosity

E 427 – Soybean Hemicellulose

Purity based on EC 231/2012

Viscosity
Acid insoluble matter
pH
Crude fat
Protein
Total ash
Loss on drying
Total anthraquinones
Solvent residues
Lead
Total plate count
Yeast and moulds
Salmonella spp.
Escherichia coli

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Turbidity
pH
Viscosity

E 440(i) – Pectin

Purity based on EC 231/2012

Loss on drying
Acid insoluble ash
Sulphur dioxide
Nitrogen content
Total insolubles
Solvent residues
Arsenic
Lead
Mercury
Cadmium

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Turbidity
pH
Viscosity
Gelling point
Melting point
Syneresis
SAG degree
Degree of methoxylation
Degree of amidation

E 440(ii) – Amidated Pectin

Purity based on EC 231/2012

Loss on drying
Acid-insoluble ash
Degree of amidation
Sulphur dioxide residue
Nitrogen content
Total insolubles
Solvent residues
Arsenic
Lead
Mercury
Cadmium

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Turbidity
pH
Viscosity
Gelling point
Melting point
Syneresis
SAG degree
Degree of methoxylation

E 460(i) – Microcrystalline Cellulose

Purity based on EC 231/2012

pH
Loss on drying
Water soluble matter
Sulphated ash
Starch
Carboxyl groups
Arsenic
Lead
Mercury
Cadmium

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Turbidity
pH
Viscosity

E 460(ii) – Powdered Cellulose

Purity based on EC 231/2012

pH
Loss on drying
Water soluble matter
Sulphated ash
Starch
Carboxyl groups
Arsenic
Lead
Mercury
Cadmium

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Turbidity
pH
Viscosity

E 461 – Methyl Cellulose

Purity based on EC 231/2012

pH
Loss on drying
Sulphated ash
Arsenic
Lead
Mercury
Cadmium

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Turbidity
Viscosity

E 462 – Ethyl Cellulose

Purity based on EC 231/2012

pH
Loss on drying
Sulphated ash
Arsenic
Lead
Mercury
Cadmium

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Turbidity
pH
Viscosity

E 462 – Hydroxypropyl Cellulose

Purity based on EC 231/2012

pH
Loss on drying
Sulphated ash
Propylene chlorohydrins
Arsenic
Lead
Mercury
Cadmium

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Turbidity
pH
Viscosity

E 464 – Hydroxypropyl Methyl Cellulose

Purity based on EC 231/2012

pH
Loss on drying
Sulphated ash
Propylene chlorohydrins
Arsenic
Lead
Mercury
Cadmium

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Turbidity
pH
Viscosity

E 465 – Ethyl Methyl Cellulose

Purity based on EC 231/2012

pH
Loss on drying
Sulphated ash
Arsenic
Lead
Mercury
Cadmium

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Turbidity
pH
Viscosity

E 466 – Sodium Carboxy Methyl Cellulose, Carboxy Methyl Cellulose, Cellulose Gum

Purity based on EC 231/2012

pH
Degree of substitution
Loss on drying
Arsenic
Lead
Mercury
Cadmium
Total glycolate
Sodium

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Turbidity
pH
Viscosity

E 468 – Cross-Linked Sodium Carboxymethylcellulose, Cross-Linked Cellulose Gum

Purity based on EC 231/2012

pH
Degree of substitution
Water soluble matter
Loss on drying
Sodium content
Arsenic
Lead
Mercury
Cadmium

Additional Analysis

Granulometry
Color (L, a, b)
Whiteness
Turbidity
Viscosity

E 469 – Enzymatically Hydrolysed Caroxymethylcellulose, Enzymatically Hydrolysed Cellulose Gum

Purity based on EC 231/2012

pH

Degree of substitution

Loss on drying

Water soluble matter

Sodium Content

Arsenic

Lead

Mercury

Cadmium

Additional Analysis

Granulometry

Color (L, a, b)

Whiteness

Turbidity

Viscosity