

TECHNICAL DATA SHEET

INAVEA ESSENTIAL

Version : 1

Created on : 27/01/2020

Last update : N/A

Content : Organic Acacia Seyal gum purified and instantised (soluble dietary fibre)

Legal position : Regulations 231/2012/EC, USP/NF, FCC, Eur.Ph / Regulation (EC) 834/2007/EC and USDA-NOP (Certified by ECOCERT FR-BIO-01)

Standard Packaging : Net 25 kg multilayer paper bag with inner polyethylene liner

Maximum Storage : 3 years

Storage Condition : Keep closed in a cool and dry place in original intact packaging

MATERIAL CHARACTERISTICS

Physical and chemical data

Analysis	Description	MINI	MAXI	UNIT	Test Method
Moisture	5h @ 105°C		10	%	USP <921> Method III
Colour @ 25%	Aqueous solution 25% - Lovibond AF900	Brown		-	-
pH	25% aqueous solution, @ 20°C	4,1	4,8	-	Eur. Ph. 2.2.3
Viscosity 25%	25%, Brookfield LVF 60 rpm @ 20°C	60	130	mPa.s	-
Total Ashes @ 600°C	8h @ 600°C		4	%	Eur. Ph.
Acid insoluble ashes	Ashes + acid hydrolysis		0,5	%	USP<561>
Acid insoluble matters	Gravimetric determination after acid hydrolysis		0,5	%	-
Total dietary fibre (on dry weight)	Enzymatic & gravimétric	90		%	AOAC 985.29
Mesh size powder through 63 µm	Vibro - sieving		15	%	-
Glucose and Fructose*	Chromatography	Pass test		-	Eur. Ph.
Starch, Dextrin and Agar*	Iodine solution test	Pass test		-	Eur. Ph.
Sterculia gum*	Eur. Ph (A-B)	Pass test		-	Eur.Ph
Tragacantha*	Chromatography	Pass test		-	HPLC
Identification test*	Eur. Ph (A-B-C-D)	Pass test		-	Eur. Ph
Tannin test*	reaction with ferric chloride solution	Pass test		-	Eur, Ph
Solubility and reaction*	solution in water	Pass test		-	USP

*tested 1/year (product of the same grade)

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Total heavy metal*			5	ppm	FCC (Method 2)
Arsenic*	ICP-Mass spectrometry		0,5	ppm	ICP -OES/ICP-MS
Lead*	ICP-Mass spectrometry		0,1	ppm	ICP -OES/ICP-MS
Mercury*	Atomic Absorption spectrometry		0,1	ppm	SAA / ICP-MS
Cadmium*	ICP-Mass spectrometry		0,1	ppm	ICP -OES/ICP-MS
Bacteriology					
Analysis	Description	MINI	MAXI	UNIT	Test Method
Total Plate Count	72 h @ 30°C - PCA		1000	cfu/g	ISO 4833-1
Yeast	5 days @ 25°C - YGC		100	cfu/g	ISO 6611
Molds	5 days @ 25°C - YGC		100	cfu/g	ISO 6611
E. coli (test for the presence of)	48 h @ 44°C - EP without indole + Kovacs reagent	abs	/5g	-	ISO 7251
Salmonella (presence)	Pre-enrichment, 24 h @ 41°C	abs	/25g	-	ISO 6579-1

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