

Technical Data Sheet

Version: 1.0 EN

Vitamin B6 – pyridoxine hydrochloride

Article number: D10162

General Information

Origin	Vitamin B6 is a water-soluble vitamin belonging to the B group. Among other things, it contributes to normal energy metabolism, normal functioning of the nervous system and regulation of hormonal activity. It also supports the immune system, the formation of red blood cells and helps reduce tiredness and fatigue.
CAS Number	58-56-0
EC Number	200-386-2
INCI	PYRIDOXINE HCL
Molecular Formula	C ₈ H ₁₁ NO ₃ · HCL
Appearance	White, crystalline powder
Packaging	25 kg bags and small containers
Shelf life	48 months
Applications	Use in food
Allergens	None of the 14 main allergens added or contained
Compliance	BP; Ph. Eur.; Regulation (EC) No 178/2002; Regulation (EU) No 2022/1396

Specification Values

Parameters	Value
Content	99.0 – 101.0 %
Loss on drying	≤ 0.5 %
Melting point	Approx. 205°C
Solubility	Freely soluble in water and anhydrous ethanol, slightly soluble in methylene chloride
Loss on drying	≤ 0.5 %
pH value	2.4 – 3.0
Sulphate ash	≤ 0.1 %

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Heavy metals	≤ 0.002 %
Arsenic	≤ 0.5 mg/kg
Lead	≤ 0.5 mg/kg
Mercury	≤ 0.1 mg/kg
Cadmium	≤ 0.5 mg/kg
Total number of aerobic microorganisms	≤ 100 CFU/g
Total number of yeasts and moulds	≤ 10 CFU/g
E. coli	Negative/g
Salmonella	Negative/37.5 g
S. aureus	Negative/25 g
Coliforms	< 10/g

Nutritional Values

	Average Values (per 100g / 100ml)
Energy (kJ)	0
Energy (kcal)	0
Fat (g)	0
- Of which saturated fats (g)	0
Carbonhydrates (g)	0
- Of which sugars (g)	0
Fibre (g)	0
Protein (g)	0
Salt (g)	0

Additional Information

All details are based on our current state of knowledge and are not transferable to other products. They do not constitute a warranty or guarantee of specific properties or suitability for particular applications. Each use of our supplied products must be tested in the respective application and checked for any existing property rights. Color and form of the product may slightly vary within a production batch due to the manufacturing process.

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