

Biochel G47

GLDA 47% • TETRASODIUM GLUTAMATE DIACETATE • LIQUID

Chemical name	Glutamic acid di-acetate tetra sodium salt
Common name	GLDA-Na ₄ / Tetrasodium Glutamate Diacetate
CAS No.	51981-21-6
Molecular formula	C ₉ H ₉ NNa ₄ O ₈
Molecular weight	351.1 g/mol
Physical form	Liquid

PRODUCT DESCRIPTION

Biochel G47 is a GLDA-Na₄ liquid grade based on glutamic acid di-acetate tetrasodium salt. GLDA is a readily biodegradable chelating agent with a broad operating pH range and formulation flexibility. It is designed for applications where control of metal ions is required, including homecare and detergents, industrial cleaning, personal care, pulp and paper, food processing, pharmaceutical formulations and metal working.

TYPICAL TECHNICAL SPECIFICATIONS

Parameter	Unit	Specification
Assay (GLDA-Na ₄)	wt%	46.5-47.5
pH (1% w/v)	—	11-12
Liquid density	kg/m ³	1400 to 1440
Viscosity	mPa·s	250
Appearance	—	Pale yellow clear liquid

Key applications	Homecare and detergents • Industrial cleaners • Personal care • Pulp and paper • Food processing • Pharmaceutical formulations • Metal working • Water treatment • Metal-ion sequestration
Key properties	Readily biodegradable chelant • Wide pH operating window • Formulation flexibility and compatibility • Effective complexing of free metal ions • Renewable-source based chelation technology
Storage	Store in a shaded, dry and ventilated area. Keep containers tightly closed when not in use.
Typical packing	250 kg plastic drums or IBC / customer-specific packaging.



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