

(L+) Choline Bitartrate, USP & FCC

Regular
Product 6492120

PRODUCT SPECIFICATIONS:

Formula:	C ₉ H ₁₉ NO ₇
Molecular Weight:	253.3
Appearance:	White crystalline powder; acidic taste; less hygroscopic than other choline salts. One gram of (L+) Choline Bitartrate USP & FCC provides a minimum equivalent of 0.405 grams of choline cation as per US RDI.
Assay:	Not less than 99.0% and not more than 100.5% calculated on an anhydrous basis
pH:.....	3.0 – 4.0 in a 1-in-10 solution
Water:.....	Not more than 0.5%
Heavy Metals (as Pb):	Not more than 10 ppm
Arsenic (as As)	Not more than 2 ppm
1,4 – Dioxane:	Not more than 10 ppm
Infrared Spectrum	Compares to USP Standard
Lead	Not more than 0.3 ppm
Total Amines	Not more than 10 ppm
Total Impurities by HPLC.....	Passes USP test
Organic Volatile Impurities.....	Passes USP test
Optical Rotation.....	Between +17.5 and +18.5
Residue on ignition:	Not more than 0.1%
Solubility:.....	Soluble in water; slightly soluble in alcohol.
Storage:	Hygroscopic material. Keep container closed when not in use.

INGREDIENT STATEMENT:

(L+) Choline Bitartrate
(L+) Choline Bitartrate is Kosher Pareve and Halal Certified.

PACKAGING:

Drums:

- 25 kilograms in a 12-gallon fiber carton, with two polyethylene liners
- 12.5" x 22.75" = 1.6 cft.
- Net Weight = 25 kilos (55.115 pounds)
- Gross Weight = 26.3 kilos (57 pounds)

Pallet/Skid:

- 24 drums per pallet
- 52" (H) x 48" (L) x 40" (W) = 57.78 cft.
- Net Weight = 600 kilos (1322.76 pounds)
- Pallets are wrapped with 80 gauge stretch film

FOR CONSULTATION

OR NEEDS ANALYSIS:

Balchem Corporation
52 Sunrise Park Road, New Hampton, NY 10958
Phone: 845.326.5675
Fax: 845.326.5717
e-mail: nutrients@balchem.com
www.balchem.com

