



CERTIFICATE OF ANALYSIS

Verified in accordance with the 5 Nation Standard™

Batch Information

Product Name	Buzzy B12 Tablets 30ct (30 Servings)
Batch / Lot No.	B26107002
Item Number:	10320
Total Serving:	30
Serving Size:	1 tablet
Label Version	10320-L01b-25
Manufacture Date	04/17/2026
Expiration Date	04/2028
Review Date	05/22/2026
Tested by	Independent ISO 17025-Certified Laboratories
Verified by	Takeshi Cruz

Purity

Tested for contaminants, heavy metals, and pesticides using validated international methods. Inspired by the U.S. (USP, AOAC), Germany (BfR & BVL), Switzerland (Swissmedic, FSVO):

Composition

Parameter	Specification	Result	Method	Reference**
Arsenic, Inorganic	NMT 15 µg per daily serving	Meets Specification	AOAC, USP, or equivalent	P9149064
Lead	NMT 5 µg per daily serving	Meets Specification	AOAC, USP, or equivalent	P9149064
Cadmium	NMT 5 µg per daily serving	Meets Specification	AOAC, USP, or equivalent	P9149064
Mercury, Total	NMT 15 µg per daily serving	Meets Specification	AOAC, USP, or equivalent	P9149064

Microbial

Parameter	Specification	Result	Method	Reference**
Total Plate Count	NMT 100,000 CFU/g	Meets Specification	AOAC, USP, or equivalent	P9149064
Yeast and Mold Counts	NMT 1,000 CFU/g	Meets Specification	AOAC, USP, or equivalent	P9149064
Total Coliforms Count	NMT 1,000 CFU/g	Meets Specification	AOAC, USP, or equivalent	P9149064
E.Coli	Absent in 10g	Meets Specification	AOAC, USP, or equivalent	P9149064
Staphylococcus Aureus	Absent in 10g	Meets Specification	AOAC, USP, or equivalent	P9149064
Salmonella	Absent in 10g	Meets Specification	AOAC, USP, or equivalent	P9149064

Solvents

Solvent Residue	Specification	Result	Method	Reference**
Class 1 - 1,1,1-Trichloroethane	NMT 1 ppm	Not Detected	USP <467>	P9144954
Class 1 - 1,1-Dichloroethene	NMT 1 ppm	Not Detected	USP <467>	P9144954
Class 1 - 1,2-Dichloroethane	NMT 1 ppm	Not Detected	USP <467>	P9144954
Class 1 - Benzene	NMT 1 ppm	Not Detected	USP <467>	P9144954
Class 1 - Carbon Tetrachloride	NMT 1 ppm	Not Detected	USP <467>	P9144954
Class 2 (Mix A & B) - 1,2-Dichloroethene	NMT 1 ppm	Not Detected	USP <467>	P9144954
Class 2 (Mix A & B) - 1,2-Dimethoxyethane	NMT 1 ppm	Not Detected	USP <467>	P9144954
Class 2 (Mix A & B) - 1,4-Dioxane	NMT 1 ppm	Not Detected	USP <467>	P9144954
Class 2 (Mix A & B) - Acetonitrile	NMT 50 ppm	Not Detected	USP <467>	P9144954
Class 2 (Mix A & B) - Chlorobenzene	NMT 1 ppm	Not Detected	USP <467>	P9144954
Class 2 (Mix A & B) - Chloroform	NMT 1 ppm	Not Detected	USP <467>	P9144954
Class 2 (Mix A & B) - Cyclohexane	NMT 1 ppm	Not Detected	USP <467>	P9144954
Class 2 (Mix A & B) - Hexane	NMT 1 ppm	Not Detected	USP <467>	P9144954
Class 2 (Mix A & B) - Methanol	NMT 50 ppm	Not Detected	USP <467>	P9144954
Class 2 (Mix A & B) - Methylbutylketone	NMT 1 ppm	Not Detected	USP <467>	P9144954
Class 2 (Mix A & B) - Methylcyclohexane	NMT 1 ppm	Not Detected	USP <467>	P9144954
Class 2 (Mix A & B) - Methylene Chloride	NMT 1 ppm	Not Detected	USP <467>	P9144954
Class 2 (Mix A & B) - Nitromethane	NMT 50 ppm	Not Detected	USP <467>	P9144954
Class 2 (Mix A & B) - Pyridine	NMT 200 ppm	Not Detected	USP <467>	P9144954
Class 2 (Mix A & B) - Tetrahydrofuran	NMT 1 ppm	Not Detected	USP <467>	P9144954
Class 2 (Mix A & B) - Tetralin	NMT 1 ppm	Not Detected	USP <467>	P9144954
Class 2 (Mix A & B) - Toluene	NMT 1 ppm	Not Detected	USP <467>	P9144954

Class 2 (Mix A & B) - Trichloroethylene	NMT 1 ppm	Not Detected	USP <467>	P9144954
Class 2 (Mix A & B) - Xylene	NMT 1 ppm	Not Detected	USP <467>	P9144954
Class 3 - Ethanol	NMT 5,000 ppm	Not Detected	USP <467>	P9144954
Class 3 - Acetone	NMT 1 ppm	Not Detected	USP <467>	P9144954
Class 3 - Isopropanol	NMT 1 ppm	Not Detected	USP <467>	P9144954
Class 3 - Ethyl acetate	NMT 1 ppm	Not Detected	USP <467>	P9144954

Pesticide Screen

Pesticide	Specification	Result	Method	Reference**
Acephate	NMT 0.1 ppm	Not Detected	USP <561>	P9144954
Aldrin and dieldrin (sum of)	NMT 0.05 ppm	Not Detected	USP <561>	P9144954
Azinphos-ethyl	NMT 0.1 ppm	Not Detected	USP <561>	P9144954
Azinphos-methyl	NMT 1 ppm	Not Detected	USP <561>	P9144954
Bromide, inorganic (calculated as bromide ion)	NMT 125 ppm	Not Detected	USP <561>	P9144954
Bromophos-ethyl	NMT 0.05 ppm	Not Detected	USP <561>	P9144954
Bromophos-methyl	NMT 1 ppm	Not Detected	USP <561>	P9144954
Bromopropylate	NMT 3 ppm	Not Detected	USP <561>	P9144954
Chlordane (sum of cis-, trans-, and oxychlordane)	NMT 0.05 ppm	Not Detected	USP <561>	P9144954
Chlorfenvinphos	NMT 0.5 ppm	Not Detected	USP <561>	P9144954
Chlorpyrifos-ethyl	NMT 0.2 ppm	Not Detected	USP <561>	P9144954
Chlorpyrifos-methyl	NMT 0.1 ppm	Not Detected	USP <561>	P9144954
Chlorthal-dimethyl	NMT 0.01 ppm	Not Detected	USP <561>	P9144954
Cyfluthrin (sum of)	NMT 0.1 ppm	Not Detected	USP <561>	P9144954
λ-Cyhalothrin	NMT 1 ppm	Not Detected	USP <561>	P9144954
Cypermethrin and isomers (sum of)	NMT 1 ppm	Not Detected	USP <561>	P9144954
DDT (sum of o,p'-DDE, p,p'-DDE, o,p'-DDT, p,p'-DDT, o,p'-TDE, and p,p'-TDE)	NMT 1 ppm	Not Detected	USP <561>	P9144954
Deltamethrin	NMT 0.5 ppm	Not Detected	USP <561>	P9144954
Diazinon	NMT 0.5 ppm	Not Detected	USP <561>	P9144954
Dichlofluanid	NMT 0.1 ppm	Not Detected	USP <561>	P9144954
Dichlorvos	NMT 1 ppm	Not Detected	USP <561>	P9144954
Dicofol	NMT 0.5 ppm	Not Detected	USP <561>	P9144954
Dimethoate and omethoate (sum of)	NMT 0.1 ppm	Not Detected	USP <561>	P9144954
Dithiocarbamates (expressed as CS ₂)	NMT 2 ppm	Not Detected	USP <561>	P9144954

Endosulfan (sum of isomers and endosulfan sulphate)	NMT 3 ppm	Not Detected	USP <561>	P9144954
Endrin	NMT 0.05 ppm	Not Detected	USP <561>	P9144954
Ethion	NMT 2 ppm	Not Detected	USP <561>	P9144954
Etrimphos	NMT 0.05 ppm	Not Detected	USP <561>	P9144954
Fenchlorophos (sum of fenchlorophos and fenchlorophos-oxon)	NMT 0.1 ppm	Not Detected	USP <561>	P9144954
Fenitrothion	NMT 0.5 ppm	Not Detected	USP <561>	P9144954
Fenpropathrin	NMT 0.03 ppm	Not Detected	USP <561>	P9144954
Fensulfothion (sum of fensulfothion, oxon, sulfone, and oxon sulfone)	NMT 0.05 ppm	Not Detected	USP <561>	P9144954
Fenthion (sum of fenthion and metabolites)	NMT 0.05 ppm	Not Detected	USP <561>	P9144954
Fenvalerate	NMT 1.5 ppm	Not Detected	USP <561>	P9144954
Flucythrinate	NMT 0.05 ppm	Not Detected	USP <561>	P9144954
γ -Fluvalinate	NMT 0.05 ppm	Not Detected	USP <561>	P9144954
Fonophos	NMT 0.05 ppm	Not Detected	USP <561>	P9144954
Heptachlor (sum of heptachlor, cis- and trans-heptachlorepoxyde)	NMT 0.05 ppm	Not Detected	USP <561>	P9144954
Hexachlorbenzene	NMT 0.1 ppm	Not Detected	USP <561>	P9144954
Hexachlorocyclohexane (sum of α , β , γ , δ isomers)	NMT 0.3 ppm	Not Detected	USP <561>	P9144954
Lindane (γ -hexachlorocyclohexane)	NMT 0.6 ppm	Not Detected	USP <561>	P9144954
Malathion and malaoxon (sum of)	NMT 1 ppm	Not Detected	USP <561>	P9144954
Mecarbam	NMT 0.05 ppm	Not Detected	USP <561>	P9144954
Methacriphos	NMT 0.05 ppm	Not Detected	USP <561>	P9144954
Methamidophos	NMT 0.05 ppm	Not Detected	USP <561>	P9144954
Methidathion	NMT 0.2 ppm	Not Detected	USP <561>	P9144954
Methoxychlor	NMT 0.05 ppm	Not Detected	USP <561>	P9144954
Mirex	NMT 0.01 ppm	Not Detected	USP <561>	P9144954
Monocrotophos	NMT 0.1 ppm	Not Detected	USP <561>	P9144954
Parathion-ethyl and paraoxon-ethyl (sum of)	NMT 0.5 ppm	Not Detected	USP <561>	P9144954

Parathion-methyl and paraoxon-methyl (sum of)	NMT 0.2 ppm	Not Detected	USP <561>	P9144954
Pendimethalin	NMT 0.1 ppm	Not Detected	USP <561>	P9144954
Pentachloranisole	NMT 0.01 ppm	Not Detected	USP <561>	P9144954
Permethrin and isomers (sum of)	NMT 1 ppm	Not Detected	USP <561>	P9144954
Phosalone	NMT 0.1 ppm	Not Detected	USP <561>	P9144954
Phosmet	NMT 0.05 ppm	Not Detected	USP <561>	P9144954
Piperonyl butoxide	NMT 0.3 ppm	Not Detected	USP <561>	P9144954
Pirimiphos-ethyl	NMT 0.05 ppm	Not Detected	USP <561>	P9144954
Pirimiphos-methyl (sum of pirimiphos-methyl and N-desethyl-pirimiphos-methyl)	NMT 4 ppm	Not Detected	USP <561>	P9144954
Procymidone	NMT 0.1 ppm	Not Detected	USP <561>	P9144954
Profenophos	NMT 0.1 ppm	Not Detected	USP <561>	P9144954
Prothiophos	NMT 0.05 ppm	Not Detected	USP <561>	P9144954
Pyrethrum (sum of cinerin I/II, jasmolin I/II, pyrethrin I/II)	NMT 3 ppm	Not Detected	USP <561>	P9144954
Quinalphos	NMT 0.05 ppm	Not Detected	USP <561>	P9144954
Quintozene (sum of quintozene, pentachloraniline, methyl pentachlorophenyl sulfide)	NMT 1 ppm	Not Detected	USP <561>	P9144954
S-421	NMT 0.02 ppm	Not Detected	USP <561>	P9144954
Tecnazene	NMT 0.05 ppm	Not Detected	USP <561>	P9144954
Tetradifon	NMT 0.3 ppm	Not Detected	USP <561>	P9144954
Vinclozolin	NMT 0.4 ppm	Not Detected	USP <561>	P9144954

Strength

Inspired by the U.S.A.'s FDA requirements and Japan's strict label accuracy policies.

We test every production batch to make sure active ingredient strength matches our label claim.

- Many countries and brands allow rounding rules or under-formulation amounts of nutrients; Ora requires a 100% label claim throughout shelf life. Often, our products are formulated with intentional nutritional overages.
- We justify every expiration date with real data — what we call Shelf Life Justification.

Nutritional Information

Parameter	Specification	Result (per serving)	Method	Reference**
Vitamin B12 (Methylcobalamin)	NLT 1500µg per serving	Meets Specification	AOAC or equivalent	P9149017

Safety

Inspired by GRAS (Generally Recognized as Safe) regulations in the U.S. and strict allergen labeling laws in Japan

- All ingredients are either GRAS a.k.a. generally recognised as safe, self-affirmed GRAS, or approved under New Dietary Ingredient (NDI) pathways.
- We label major allergens clearly.
- No banned substances, and we avoid excipient ingredients (like fillers and additives) that aren't needed

Allergens

Parameter	Specification	Result (per serving)	Method	Reference**
Gluten Allergen*	NMT 20ppm	Meets Specification	EZ Gluten or equivalent	P9144954
Crustacean Allergen*	Not Detected / NMT 2.5ppm	Meets Specification	ELISA, or equivalent	P9144954
Egg Allergen*	Not Detected / NMT 2.5ppm	Meets Specification	ELISA, or equivalent	P9144954
Fish Allergen*	Not Detected / NMT 2.5ppm	Meets Specification	ELISA, or equivalent	P9144954
Milk Allergen*	Not Detected / NMT 2.5ppm	Meets Specification	ELISA, or equivalent	P9144954
Peanut Allergen*	Not Detected / NMT 2.5ppm	Meets Specification	ELISA, or equivalent	P9144954
Soy Allergen*	Not Detected / NMT 5ppm	Meets Specification	ELISA, or equivalent	P9144954

Remarks:

* Analysis performed on an annual basis.

**All analyses performed by CA State-certified and/or ISO accredited third-party laboratories.

Transparency

Inspired by third-party voluntary programs across all five countries:

- We self-publish batch-specific lab test results for all products.
- We partner with leading third-party laboratories and verification providers.
- Our product standards and testing methods are documented and openly shared.

Laboratory	Accreditation	Method Reference	Report ID
Qalitex	ISO 17025	Testing performed in accordance with AOAC, USP, FCC, and ISO-validated methods	See above references



Testing conducted in accordance with Ora's 5 Nation Standard™ — integrating analytical requirements and safety thresholds from Switzerland, Japan, Germany, New Zealand, and the United States.

All results are verified by ISO 17025 accredited third-party laboratories.

QC#	ORA-10320W-002
Approved by:	G. Wong
Version	2.00
Updated	November 3, 2025