

Capability and documentation

Botanical extracts from Xi'an, China · Founded 2006

Shaanxi Rainwood Biotech Co., Ltd. manufactures standardized botanical extracts for supplement, food and beverage, sports nutrition, and cosmetic manufacturers. This statement summarizes what we make, how a lot is released, and the documents a buyer can expect — without the claims we cannot support.

2006 FOUNDED IN XI'AN	10,000 m ² PRODUCTION AND WAREHOUSE	100+ TEAM MEMBERS	217 PUBLISHED SPECIFICATIONS
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WHAT WE MAKE

FUNCTIONAL RANGE	EXAMPLES
Adaptogens & Stress Response	Ashwagandha Root Extract, Rhodiola Rosea Extract, Holy Basil Extract, Schisandra Berry Extract, Maca Extract, American Ginseng Extract, Eleuthero Extract, Codonopsis Extract, Shilajit Extract, Salidroside, Gynostemma Extract, Shatavari Extract, Asian Ginseng Extract, Ginsenoside Rg3
Cognitive Support & Mood	Bacopa Monnieri Extract, Ginkgo Biloba Extract, Lion's Mane Extract, Saffron Extract, Huperzine A, L-Theanine, 5-HTP, Nervonic Acid, Erinacines, Hypericin, Phosphatidylserine, Phosphatidylcholine, Matcha Powder, Polygala Extract, Sage Extract
Sleep & Calm	Valerian Root Extract, Passionflower Extract, Lemon Balm Extract, Chamomile Extract, Kava Root Extract, Hops Extract, Magnolol, Honokiol, Chrysin, Tart Cherry Extract, Lavender Extract, Jujube Seed Extract
Beauty & Healthy Aging	Resveratrol 98%, Spermidine Extract, Centella Asiatica Extract, Grape Seed Extract, Pine Bark Extract, Bakuchiol, Glabridin, Lutein, Zeaxanthin, Pomegranate Peel Extract, Lycopene, Dihydroquercetin, Ferulic Acid, Kaempferol, Rutin, Hydroxytyrosol, Astaxanthin, Bamboo Silica, Tetrahydrocurcumin, Chitosan Quaternary Ammonium Salt, Mandelic Acid, Alpha-Mangostin, Ceramide, Sesamin, Osthole, Sophoricoside, Pterostilbene, Beta-Carotene, Fucoxanthin, Black Rice Anthocyanin, Genistein, Cycloastragenol, Ellagic Acid, Tremella Extract, Saw Palmetto Extract, Silk Fibroin Powder, Nettle Extract, Aloe Vera Gel Powder, Bilberry Extract, Goji Extract, Sea Buckthorn Extract, Acerola Extract, Amla Extract, Rosehip Extract, Rosemary Extract, Apple Polyphenols, Neem Extract, Ursolic Acid
Sports & Energy	Beetroot Powder, Tribulus Terrestris Extract, Mucuna Pruriens Extract, Cordyceps Extract, Cissus Quadrangularis Extract, Turkesterone, Ecdysterone, 5a-Hydroxy Laxogenin, Fenugreek Extract, Octacosanol, Icaritin, Epimedium Dual Glycosides, Icaritin, Eurycomanone, Diosgenin, Capsaicin, Cordyceps Mycelium Extract, Kaempferia Parviflora Extract, Ajuga Extract, Yerba Mate Extract, 6-Paradol
Metabolic & Liver	Milk Thistle Extract, Artichoke Leaf Extract, Berberine HCl 97%, Citrus Bergamot Extract, Red Yeast Rice Extract, Dandelion Extract, Olive Leaf Extract, Diosmin, Cinnamon Polyphenols, Dihydromyricetin, Emodin, Troxerutin, Oleuropein, Naringenin, Escin, Silybin, Dihydroberberine, Ox Bile Powder, Hesperetin, Hesperidin, Oleanolic Acid, Puerarin, Bitter Melon Extract, Coleus Forskohlii Extract, Gymnema Extract, Banaba Extract, White Kidney Bean Extract, Green Coffee Bean Extract, Butcher's Broom Extract, Mulberry Leaf Extract, Garcinia Cambogia Extract

FUNCTIONAL RANGE	EXAMPLES
Immune & Gut	Elderberry Extract, Astragalus Extract, Andrographis Extract, Ginger Root Extract, Shiitake Mushroom Extract, Polyporus Umbellatus Extract, Oregano Extract, Yucca Extract, Glucoraphanin, Sulforaphane, Inulin, Andrographolide, Shikimic Acid, Baicalin, Chitosan, Kombucha Powder, Fucoidan, Oregano Oil, Oat Beta-Glucan, Allicin, Thymoquinone, Tea Saponin, Reishi Extract, Maitake Extract, Oyster Mushroom Extract, King Oyster Mushroom Extract, Yeast Beta-Glucan, Agaricus Blazei Extract, Black Fungus Extract, Chaga Extract, Turkey Tail Extract, Phellinus Extract, Antrodia Mycelium Extract, Enoki Mushroom Extract, Coprinus Extract, Poria Extract, Garlic Extract, Murdannia Loriformis Extract, Konjac Glucomannan, Elm Bark Extract, Echinacea Extract, Cranberry Extract, Marshmallow Root Extract, Cat's Claw Extract, Psyllium Husk Powder, Licorice Root Extract, Pelargonium Extract, Guduchi Extract, Astragaloside IV, Baicalein
Daily Wellness & Absorption	Turmeric Extract 95%, Boswellia Serrata Extract, Green Tea Extract, Quercetin 95%, Black Pepper Extract, White Willow Bark Extract, Senna Leaf Extract, Nattokinase, Betaine Anhydrous (TMG), Apigenin, Fisetin, Salicin, Amygdalin, Matrine, Naringin Dihydrochalcone, Steviol Glycosides, Sanshool, Luteolin, Lumbrokinase, Avocado Soybean Unsaponifiables, Formononetin, Gingerol Extract, Sodium Copper Chlorophyllin, Phytosterols, Cocoa Extract, 6-Gingerol

Issued for buyer evaluation. This statement is a summary, not a quality manual or a legal opinion. Company figures are reviewed periodically. Certificate scope and validity must be confirmed before publication or use in a customer submission. Contact: info@rainwoodbio.com · ingredients.rainwoodbio.com.

HOW A BATCH IS MADE

STEP	STAGE	CONTROL
01	Raw material selection	Herb is sourced against a written specification with origin, harvest window, and pesticide history reviewed before release to production.
02	Extraction and concentration	Water, ethanol, or water-ethanol systems are selected for the marker chemistry, then concentrated under controlled temperature and vacuum.
03	Standardization	Lots are blended or adjusted to the agreed marker range, so the specification holds from the first drum to the last.
04	Drying and sizing	Spray drying, vacuum drying, or granulation is matched to the grade, followed by milling to the requested mesh.
05	Batch release	QC testing against the specification, COA issue, and a retained sample kept for the agreed retention period.
06	Export packing	Food-grade inner liner, fiber drum or carton, palletization, and documents prepared for the destination market.

QUALITY AND RELEASE

IDENTITY AND POTENCY

- Botanical identity (macroscopic and TLC where applicable)
- Marker compound assay by HPLC or UV-VIS, method stated on the COA
- Extract ratio verification for non-standardized grades
- Moisture, ash, and acid-insoluble ash

CONTAMINANTS

- Heavy metals: lead, arsenic, cadmium, mercury (ICP-MS)
- Pesticide residues, multi-residue panel
- Residual solvents matched to the extraction system
- Microbiology: TPC, yeast and mold, E. coli, Salmonella

PHYSICAL AND PROCESS

- Appearance, color, and odor
- Particle size and mesh distribution
- Bulk density and flowability
- Solubility or dispersibility in the target matrix

RELEASE DISCIPLINE

- Specification agreed in writing before production.
- Representative sample tested against the specification.
- COA issued with lot number and specification version.
- Retained sample kept for the agreed period.
- Third-party verification available on request.

DOCUMENTS RELEASED WITH A LOT

DOCUMENT	CONTENT	SCOPE
Certificate of Analysis	Batch-specific results for identity, assay, appearance, moisture, particle size, heavy metals, microbiology and any agreed additional parameters.	Per lot / per grade
Technical data sheet	Botanical source, plant part, extraction solvent, carrier, specification range, solubility, bulk density and recommended storage.	Per lot / per grade
Safety data sheet	16-section SDS in the format your EHS or regulatory team expects, issued against the exact grade supplied.	Per lot / per grade
Allergen and GMO statements	Declarations covering the major allergen list, gluten, animal-derived inputs and GMO status, signed for the batch.	Per lot / per grade
Origin and traceability record	Harvest or lot reference for the raw herb, manufacturing lot, and the link between the two for your supplier qualification file.	Per lot / per grade
Regulatory support	Specification comparison, residual solvent and pesticide statements, and Halal or Kosher certificates where the grade is covered.	Per lot / per grade

ANALYTICAL METHODS

METHOD	PURPOSE	TYPICAL USE
HPLC	HPLC separates individual compounds before detection, so a specific marker or a defined marker family can be quantified against a reference standard.	Potency
UV-VIS	UV-VIS measures absorbance at a chosen wavelength to estimate a family total, usually against a single reference standard.	Potency
TLC	TLC produces a visual fingerprint of a botanical extract. It is a qualitative identity check, not a potency assay.	Identity
ICP-MS	ICP-MS measures individual trace elements such as lead, arsenic, cadmium, and mercury at parts-per-billion levels.	Contaminants
GC	Gas chromatography separates and quantifies volatile solvents left after extraction, purification, or carrier preparation.	Contaminants
LC-MS/MS & GC-MS/MS	Multi-residue panels screen for hundreds of pesticides using liquid and gas chromatography with tandem mass spectrometry.	Contaminants
TPC, Y&M, pathogens	Microbiological tests count total aerobic organisms, yeast and mould, and specific pathogens such as E. coli and Salmonella.	Microbiology

FACILITY CERTIFICATES

The facility maintains the following certificates. Scope, validity, and product applicability are confirmed in the quotation; a certificate is never presented as covering every product automatically.

NSF 455-2 GMP	ISO 22000	HACCP	ISO 9001	HALAL	USDA Organic	EU Organic
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TRACEABILITY AND CHANGE CONTROL

- Raw herb lots are recorded with origin, harvest reference, and supplier approval status.
- Manufacturing lots are linked to the herb lot used in the run.
- A retained sample is kept for the period agreed in the quality agreement.
- Packaging, labels, and lot codes are checked against the agreed artwork before dispatch.
- Change control covers plant part, solvent, carrier, marker method, and specification revision.

WORKING WITH US

Entry quantities

Every catalog extract starts at 1 kg, packed in a 1 kg foil pouch; bulk drums are available as quantities scale. Custom runs are quoted after a feasibility review because the minimum is driven by the herb lot and processing steps.

Samples

Typically 100–500 g, dispatched with their own COA in 3–5 business days once the specification is agreed.

Lead time

Catalog grades typically ship in 1–7 days after specification and order confirmation. Custom grades take longer; the exact date is confirmed in the quotation.

Commercial terms

EXW, FOB, CIF, or DDP, agreed before the price is final. Payment terms are confirmed per quotation.

Contact

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What we do not claim

- No client counts, sales figures, or production volumes without a documented source.
- No FDA approval claim for supplements or ingredients.
- No product-level certificate implied by a facility certificate.
- No medical, curative, or guaranteed-effect claims.

Next step. Send the target specification, application, quantity, and destination market to info@rainwoodbio.com. We will return a written counter-specification, the documentation list, and indicative pricing within one business day. No obligation.