



Trichozym hair detox

Product Overview:

INCI Name: *Saccharomyces* Ferment Lysate (and) Brassica oleracea plant extract (and) Phenoxyethanol (and) Ethylhexylglycerin.

Form: Water-soluble liquid

Applications: Heavy Metal Clarification, Conditioning, Healthier Scalp, Hair Shaft Growth, Air Pollution Protection

Product Concept:

Trichozym Hair Detox is an advanced, naturally derived bioactive complex designed to protect hair and scalp from heavy metal accumulation and environmental pollutants. During oxidative treatments such as bleaching and coloring, residual metal ions (e.g., copper and iron) can catalyze the Fenton Reaction, generating highly reactive hydroxyl radicals that damage keratin, lipids, and hair color.

This formulation offers a natural detoxifying solution by combining yeast fermentation technology with phytonutrient-rich plant extracts. The fermentation of *Saccharomyces cerevisiae* enhances the bioavailability of key antioxidants, including **Alpha-lipoic acid (ALA)**, while ruby cabbage extract provides additional antioxidant protection through **Ascorbic Acid** and **Anthocyanin** pigments.

The synergistic combination of metal chelation and antioxidant defense helps prevent metal deposition, neutralize free radicals, and preserve hair strength, elasticity, and shine.

Key Ingredients & Functions:

Features	Benefits
<i>Saccharomyces</i> Ferment Lysate	Enhances scalp microbiome balance, improves nutrient delivery, and supports hair vitality.
Ruby Cabbage Leaf Extract	Rich in anthocyanins and vitamin C; provides antioxidant, anti-pollution, and color-protective benefits.



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Alpha-Lipoic Acid (ALA)

Potent antioxidant and metal chelator; binds heavy metals and reduces oxidative stress.

Vitamin C (Ascorbic Acid)

Neutralizes reactive oxygen species (ROS), enhances shine, and supports hair's structural integrity.

Anthocyanins

Provides strong antioxidant protection against oxidative stress, helps maintain natural hair color and prevent discoloration, protects against UV and environmental damage, and supports improved scalp circulation for enhanced hair vitality.

Key Claims:

- Prevents heavy metal deposition on hair and scalp
- Reduces oxidative damage from chemical treatments
- Improves hair strength, elasticity, and resilience
- Enhances shine, softness, and hydration
- Maintains color stability and prevents unwanted tones
- Protects against pollution and environmental aggressors

Recommended Usage:

- Use level: 1.0 – 5.0% (depending on formulation)
- Can be used in both rinse-off and leave-on formulations

Technical Data

Parameter	Specification
Appearance	Light pink to reddish liquid
Odor	Mild, Characteristic ferment note
Solubility	Water
pH (direct)	4.0 – 5.0
NVM (1g-1hr-105°C)	10.0 -20.0 %



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★ Formulation Compatibility

- Compatible with Alcohol up to 1%
- Suitable for cold and hot process (below 40° C) emulsions.
- Can be incorporated into both leave-on and rinse-off skincare formulations.

Packaging & Storage

- Available Pack Sizes: 1 kg / 5 kg / 25 kg HDPE containers.
- Storage Conditions: Store in a cool, dry place (below 30°C), away from light and moisture.
- Shelf Life: 18 months from date of manufacture (unopened).

✓ Certifications & Claims

- Non-Irritant & Dermatologically Tested
- Paraben-Free, Silicone-Free, Mineral Oil-Free
- GMO-Free & Cruelty-Free
- Biodegradable