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| Commercial Name | EPHYSTEM PID |
| INCI name | Propanediol & Dimethyl Isosorbide & Aqua & Caesalpinia sappan (exosomes) extract |

Specifications

Functions:

- Ephystem PID stimulates the activity of HDACs (sirtuins I) responsible for the ability of stem cells to preserve themselves from oxidative stress damage by protecting their genome:
 - **Increased deacetylating activity of HDACs : > 160 %**
- Ephystem PID inhibits the activity of Lipoxygenase the key enzyme of the stress signal, thus avoiding propagation and amplification of the oxidative stimulus on stem cells.
 - **De-stressing and soothing power 69%**
- Ephystem PID stimulates and protects epidermal stem cells and Telomerase activity
 - **Stimulation Télomérase : + 21%**
 - **Protection Stem Cells : + 92%**
- **Country of Manufacturing:** France
- **Available forms:** liquid
- **Parts of the plant:** seeds
- **Incorporation rate:** 1%
- **Origin:** natural
- **Color:** beige to brownish
- **Odor:** characteristic
- **pH:** 4,5- 6 (in water solution at 10% at 20°C)
- **Solubility:** hydrosoluble / lipodispersible
- **No territorial restrictions known**
- **China Compliant**
- **COSMOS ready**

Tolerance

- Test: skin irritation (Patch test) – 1%
Result: non-irritant
- Test: eye irritation testing (HET-CAM Test) – 1%
Result: insignificant cytotoxicity
- Test: phototoxicity (In vitro 3T3 NRU- release with neutral red)
Result: non-phototoxic
- Test: mutagenicity (Ames Test)
Result: non-mutagenic

Storage conditions and Shelf Life

- Keep container tightly closed in dry and well-ventilated place
- Shelf Life: 18 months

Formulation

Anti-aging lotion

| Commercial Name | % | INCI |
|-----------------------|------|---|
| Frametime CX | 4,50 | Bentonite & Xanthan gum & Citric acid |
| HTR1 | 2 | Helianthus annuus seed oil & Protium heptaphyllum resin |
| Amihope LL | 0,20 | Lauroyl lysine |
| Ephystem PID (Ephyla) | 1,00 | Propanediol & Dimethyl isosorbide & Aqua & Caesalpinia sappan extract |
| Cetiol Cc | 2,00 | Dicaprylyl carbonate |
| Desert Date Oil | 8,00 | Balanites roxburghii seed oil |
| Finsolv TN | 5,00 | C 12-15 Alkyl Benzoate |
| Bioxan ST T50 | 0,05 | Tocopherol (mixed) & Helianthus annuus seed oil |
| Perfume | 0,80 | Parfum |
| Glycerin | 4,00 | Glycerin |
| Preservative | 0,80 | |
| Water | qsp | Aqua |