

## Provitamin B5 (d-panthenol)

### Specification Sheet

**Description:** Provitamin B5 (synonyms: D-pantothenyl alcohol, pantothenol, dexpanthenol) is the alcohol analog of pantothenic acid (vitamin B5). Activity 75%. pH 8-9. Stabilized & preserved with 1% D-pantolactone. Clear viscous liquid, no or faint odor. Soluble in water & alcohol, not in oils.

**CAS:** 81-13-0, 7732-18-5

**INCI Name:** D-panthenol, water

**Benefits:**

- Penetrates readily into skin & hair
- Has good moisturizing and softening properties
- Soothes irritated and blemished skin
- Gives the hair moisture & shine and reduces split ends.

**Use:** Add to cold or hot formulas, usual final concentration 0.5-5%. For external use only.

**Applications:** Creams, lotions, shampoos, conditioners, body washes, makeup.

**Country of Origin:** USA

**Raw material source:** Propanolamine and beta-dimethylbutyrolactone

**Manufacture:** Panthenol is synthetically produced by combining propanolamine and beta-dimethylbutyrolactone.

**Animal Testing:** Not animal tested

**GMO:** GMO free (does not contain plant-derived components)

**Vegan:** Does not contain animal-derived components