

## Typical Product Specifications & Properties

# Dexpanthenol - USP/FCC Kosher

CAS Number: : 81-13-0

| Specifications      | Limits                                                           |
|---------------------|------------------------------------------------------------------|
| Density             | 1.2 (2020 c)                                                     |
| Viscosity           | oily liq., sl. bitter taste                                      |
| Slightly Soluble    | in glycerin                                                      |
| Freely Soluble      | in water, alcohol, methanol, ether                               |
| Residue on Ignition | NMT 0.1%                                                         |
| Refractive Index    | Between 1.495 - 1.502 @ 20C                                      |
| Aminopropanol       | NMT 1.0%                                                         |
| Specific Rotation   | Between +29.0 and +32.0                                          |
| Odor and taste      | Slight characteristic odor with a bitter taste                   |
| pH                  | 5 - 7                                                            |
| Solubility          | Freely soluble in wate, alcohol, methanol, and propylene glycol. |
| Assay               | 98.0 - 102.0%                                                    |



| Specifications              | Limits                 |
|-----------------------------|------------------------|
| Heavy Metals                | NMT 10 ppm             |
| Water Content               | NMT 1.0%               |
| Organic Volatile Impurities | Meets USP requirements |
| Molecular weight            | 205.29                 |
| Boiling Point               | 118-120 c              |