

## Typical Product Specifications & Properties

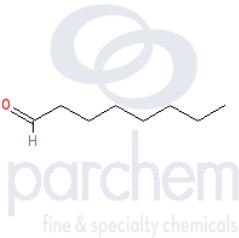
# octanal

CAS Number: : 124-13-0

| Specifications   | Limits                                                                               |
|------------------|--------------------------------------------------------------------------------------|
| Density          | 0.821 (204 c)                                                                        |
| Slightly Soluble | in water                                                                             |
| Boiling Point    | 171.00 to 173.00 °C. @ 760.00 mm Hg                                                  |
| Vapor Pressure   | 2.068000 mm/Hg @ 25.00 °C                                                            |
| logP (o/w)       | 2.95                                                                                 |
| Shelf Life       | 12 month(s) or longer if stored properly                                             |
| Storage          | store in cool, dry place in tightly sealed containers, protected from heat and light |
| Odor Type        | aldehydic                                                                            |
| Odor             | Aldehydic, waxy, citrus orange with a green peely nuance                             |
| Taste            | Aldehyde, green with a peely citrus orange note                                      |
| Specific gravity | 0.81700 to 0.82500 @ 25.00 °C                                                        |
| Pounds/Gallon    | 6.798 to 6.865                                                                       |

| Specifications   | Limits                                                                 |
|------------------|------------------------------------------------------------------------|
| Refractive Index | 1.41600 to 1.42100 @ 20.00 °C                                          |
| Storage          | store under nitrogen                                                   |
| Appearance       | colorless to pale yellow clear liquid                                  |
| Assay            | 92.00 to 100.00 %                                                      |
| Melting Point    | 12.00 to 15.00 °C. @ 760.00 mm Hg                                      |
| Acid Value       | 10.00 max. KOH/g                                                       |
| Vapor Density    | 4.4                                                                    |
| Flash Point      | 125.00 °F.TCC                                                          |
| Insolubility     | in glycerin                                                            |
| Molecular weight | 128.24                                                                 |
| Color            | colorless to light yellow liquid                                       |
| Solubility       | alcohol, fixed oils, propylene glycol, oxygenated and aliphatic solvs. |



| Specifications     | Limits                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chemical Structure |  <p>The chemical structure shows decanal, a ten-carbon aldehyde with the formula <chem>CCCCCCCCCCC=O</chem>. The oxygen atom is highlighted in red. Below the structure is the Parchem logo, which consists of two interlocking circles above the word "parchem" in a bold, sans-serif font, with the tagline "fine &amp; specialty chemicals" in a smaller font underneath.</p> |