

## TECHNICAL DATASHEET

### Sample Identification

**Part Number:** 10013-101 R05  
**Product Type:** ESSENTIAL OIL  
**Description:** JACK PINE ORGANIC  
**Part:** Twig & Needle  
**Latin name:** *Pinus banksiana*

**Purity:** 100% pure and natural  
**Country of Origin:** Canada  
**CAS Number:** 8002-09-3, 8006-88-0  
**FEMA Number:** N/A  
**EINECS Number:** N/A

### Certification



### Organoleptic properties

| Property | Specification                     |
|----------|-----------------------------------|
| Aspect   | Liquid                            |
| Color    | Clear light yellow to dark yellow |
| Odor     | Balsamic, Woody                   |

### Chemical and Physical properties

|                          |               |
|--------------------------|---------------|
| Shelf Life (years)       | 5             |
| Specific gravity (20/20) | 0.890-0.920   |
| Refractive Index (20/20) | 1.4600-1.5000 |
| Flash Point (deg C)      | 38.0-38.0     |

### Main components

| Component          | CAS        | Specification |
|--------------------|------------|---------------|
| $\alpha$ -pinene   | 80-56-8    | 45.0-60.0%    |
| Camphene           | 79-92-5    | 1.0-6.0%      |
| $\beta$ -pinene    | 127-91-3   | 8.0-14.0%     |
| $\Delta^3$ -Carene | 13466-78-9 | 4.0-10.0%     |
| Limonene           | 5989-27-5  | 4.0-15.0%     |
| Bornyl Acetate     | 76-49-3    | 4.0-10.0%     |

### Handling

See Safety Data Sheet (SDS) for handling conditions.