

## SPECIFICATION SHEET

**VERSION** 2,00      **VERSION DATE** 21/10/15      **PRINT DATE** 21/05/19

**PRODUCT** SPRUCE NEEDLE ABSOLUTE FIRMENICH 220440  
**APPLICATIONS** Raw material for industrial use intended for the manufacture of fragrances.  
**IUPAC NAME** SPRUCE NEEDLE ABSOLUTE  
**PLANT OF ORIGIN** Abies Pectinata / Pinus Sylvestris  
**PART OF THE PLANT** NEEDLES  
**SYNONYMS**

**CAS** -  
**CAS 2** -  
**EINECS** -

**TARIFF NUMBER** 3302909000  
**KOSHER CERTIFICATE** AVAILABLE ON REQUEST

**REACH REGISTRATION NO.** All the ingredients of the mixture have been registered or they are exempt from registration.

### SPECIFICATIONS

**ASPECT AT 20° C** SOLID  
**COLOUR** GREEN-BROWN  
**ODOUR** SWEET, POWERFUL, RESINOUS, FRUITY  
**TASTE**  
**DENSITY A 20° C (g / ml)** -  
**DENSITY 25/25** -  
**REFRACTIVE INDEX nD20** 1,5250 - 1,5550  
**REFRACTIVE INDEX nD25** -  
**OPTICAL ROTATION (°)** /  
**BOILING POINT (°C)** -  
**MELTING POINT (°C)** -  
**FLASH POINT (°C)** 85,00  
**ASSAY (% GC)**  
**ACID VALUE (mg KOH/g)**  
**SOLUBILITY** INSOLUBLE IN WATER  
**VAPOUR PRESSURE** NOT DETERMINED  
**OTHER SOLUBILITIES** SOLUBLE IN ETHANOL

### OTHER TECHNICAL DATA

### STABILITY AND STORAGE

KEEP IN TIGHTLY CLOSED CONTAINER IN A COOL AND DRY PLACE, PROTECTED FROM LIGHT. WHEN STORED FOR MORE THAN 24 MONTHS, QUALITY SHOULD BE CHECKED BEFORE USE.

WE BELIEVE THE ABOVE INFORMATION TO BE CORRECT BUT WE DO NOT PRESENT IT AS ALL INCLUSIVE AND AS SUCH SHOULD BE USED AS A GUIDE. IT IS THE SOLE RESPONSIBILITY OF THE RECEIVER OF OUR PRODUCT TO COMPLY WITH EXISTING REGULATIONS AND INSTRUCTIONS.