



# 安徽艾蒂贝生物有限公司

## Anhui Adibei Biological Co.,Ltd.

### Technical Data Sheet

<u>Chemical name</u>	Triacetin (Food Grade)
Synonyms	: Glycerol Triacetate, Triacetine (Good Grade)
CAS No.	:102-76-1
EINECS No.	:203-051-9
Molecular Formula	: C <sub>9</sub> H <sub>14</sub> O <sub>6</sub>
Molecular Weight	:218.20 (atomic weight with five effective number provided by IUPAC in 1995)
Boiling Point	:258°C (0.101mpa)
Flash Point	:140~143°C

#### Technical index

Appearance	Colorless Transparent Liquid
Color(Pt-Co)	≤ 15#
Content,%	≥ 99.5
Acidity(Hac)%	≤ 0.01
Water content(wt),%	≤ 0.05
Refractive index(25° C/D)	1.430~ 1.435
Relative density(25/25° C)	1.154~ 1.164
Heavy metal(base on Pb)	≤ 5ppm
Arsenic(As)	≤ 1ppm

#### Property

Colorless transparent oily liquid, with bitter taste, nontoxic, slightly soluble in water, Soluble in many kinds of organic solvents. Boiling point:258° C(0.101mpa), flash point:140° C~143° C.

#### Use

This product is mainly used as filter tip of cigarette- plasticizer of secondary cellulose. Also used as flavor, essence, fixative and lubricate of cosmetics. Also used as plasticizer and solvent of printing ink, coating, cellulose nitrate, cellulose acetate, ethyl cellulose and cellulose acetate butyrate.

#### Applications:

- Triacetin is used for the solidification of acetyl cellulose fibres in the manufacture of cigarette filters. The water content must be kept constant to achieve constant solidification.
- Triacetin is also used as a support for flavourings and essences in the food industry and as a plasticizer for chewing gum.
- In technical applications, Triacetin is used for example as a core sand binder in the metal foundry sector. Another application is inks and printing inks. Triacetin is used as a highly-effective plasticizer for cellulose-based plastics.

#### Packaging

Standard Packaging: 240KG/Iron Drum, 1150KG/IBC and ISOTANK

#### Storage

Store under dry and cool condition, and keep product air-tight.

#### Shelf life

One year