

## SPECIFICATION AND TEST METHOD FOR STAR FRUIT LEAF EXTRACT BG30

STAR FRUIT LEAF EXTRACT BG30 is 1,3-butylene glycolic solution (30vol%) from the leaves of *Averrhoa carambola* Linné(*Oxalidaceae*).

### DESCRIPTION

The product is a light yellow-brown to brown liquid, having a slight characteristic odor.

### IDENTIFICATION

- (1) To 1 mL of a solution of STAR FRUIT LEAF EXTRACT BG30 (1→5) add 1 to 2 drops of ferric chloride TS : a green-brown to dark green-brown color develops.
- (2) Take 1 mL of a solution of STAR FRUIT LEAF EXTRACT BG30 (1→2) add 2 to 3 drops of  $\alpha$ -naphthol and ethanol solution(1→20) and mix well. Further to this solution add carefully 1 mL of sulfuric acid : a red-puple color develops at the zone of contact.

pH (1→10)                      4.0 ~ 6.0

SPECIFIC GRAVITY      ( $d_{20}^{20}$ ) : 1.000 ~ 1.100      (Method 1, C)

### PURITY TEST

#### (1)HEAVY METALS

Proceed with 1.0g of STAR FRUIT LEAF EXTRACT BG30 according to Method 2 and perform the test.

Prepare the control solution with 2.0 mL of Standard Lead Solution.

(not more than 20ppm)

#### (2)ARSENIC

Take 1.0g of STAR FRUIT LEAF EXTRACT BG30 prepare the test solution according to Method 3 and perform the test.

(not more than 2 ppm)

EVAPORATION RESIDUE (0.5 ~ 1.5 w/v%)

Take exactly 10 mL of STAR FRUIT LEAF EXTRACT BG30 in a preweighed evaporating dish and evaporate to dryness over a water bath, then dry at 105°C for 6 hours.

[NOTE]

Not otherwise specified, this specification and test method are conducted in accordance with General Regulations and General Test Methods of The Japanese Standards of Quasi-Drug Ingredients.

TRADE NAME : STAR FRUIT LEAF EXTRACT BG30

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