

FORM VIIA
(Refer Rule 2.4.4(6))
REPORT OF THE FOOD ANALYST

Report No. 1/14-15

Certified that I S.T.Thankachan (name of the Food Analyst) duly appointed under the provisions of Food Safety and Standards Act, 2006 (34 of 2006), for the Revenue District Ernakulam (name of the local area) have received from the Food Safety Officer, Intelligence, Mobile Vigilance Squad, Ernakulam a sample of Mango fruit with calcium carbide bearing Code number and Serial Number 1670 of Designated Officer of Ernakulam area on the Nineteenth day of April 2014 (date of receipt of sample) for analysis.

The condition of seals on the container and the outer covering on receipt was as follows:

Intact/damaged/missing (delete where inapplicable)

I found the sample to be Mango fruit with calcium carbide (category of the sample) falling under Item No. of chapter 2 of Food Safety and Standards Regulations. The sample was in a condition fit for analysis and has been analysed on 22/4/14 and completed on 25/4/14 (give date of starting and completion of analysis) and the result of its analysis is given below/ was not in a condition fit for analysis for the reason given below.

Reasons:

Analysis report
(Refer rule 2.4.2(5))

- (i) Sample Description (What it contains): Mango fruit with calcium carbide (1.150 Kg)
- (ii) Physical Appearance of sample/container: The sample consists of partially ripened mangoes and a paper pack containing grey coloured solid substance received in non labelled polythene pouch. No disagreeable and fruity odour observed in mangoes.
- (iii) Label declaration : No label description

Sl. No.	Quality Characteristics	Name of Method of test used	Results	Prescribed Standards as per(a) provisions of the FSS Act , Rules and Regulations
	Solid substance The solid substance has garlic odour and decomposed when treated with water. The evolved gas was identified as acetylene by the following tests.			
1	The evolved gas burnt with dense smoke			
2	The evolved gas produced a white precipitate of silver acetylide on treatment with Ammoniacal Silver nitrate.			
3	The evolved gas discharged the pink colour of Alkaline Potassium Permanganate solution.			
	Mangoes			
1.	Test for organo chlorine pesticides (TLCmethod)	ICMR 1990	Not detected	-
2.	Test for organo phosphorus pesticides (TLCmethod)	ICMR 1990	Not detected	-
3.	Test for residual calcium on mangoes	Qualitative analysis	Negative	-
4.	Test for starch	"	Positive	-

Report (sample wise)

Adulterated/ Substandard / misbranded with in norms/ violates provision of labelling (delete where not applicable) any other observations. The solid substance received along with the said partially ripened mango sample is identified as calcium carbide on analysis. Artificial ripening of fruits by use of carbide gas is prohibited as per Regulation 2.3.5. of Food Safety & Standards (Prohibition and Restrictions on sales) Regulation 2011.

Signed this the twenty ninth day of April 2014.

Address:

The Designated Officer, Ernakulam District
Office of the Designated Officer, Door No.14/468
Azad Junction, Eroor South.P.O., Thripunithura,
Ernakulam District -682 306.



Food Analyst.