

HOW SAFE ARE YOUR VEGGIES PROJECT

April, 2018

Ten cauliflower samples were collected randomly in the month of April, 2018 from the markets in the areas of Shamshabad, Mehdiapatnam, and Dairy farm market.

The samples were analyzed for pesticide residues using validated method with confirmatory analysis on GC-MS/MS and LC-MS/MS at 10 PPB (Parts per Billion) level.

Out of twenty five (25) samples analysed three samples found contaminated with two pesticides residues (Diflubenzuron, Carbendazim) (Table-1). No sample found above FSSAI and CODEX MRLs.

Table-1: Details of pesticides detected in vegetable samples

Sl. No.	Collection Point	Sample	Pesticides Detected	Recommended/ Non recommended	Residues (mg/kg)	FSSAI MRL (mg/kg)	Codex MRL (mg/kg)	Limit of Quantification (mg/kg)
1	Shamshabad	Cauliflower-1	Diflubenzuron	Not recommended	0.03	-	-	0.01
2	Shamshabad	Cauliflower-2	Diflubenzuron	Not recommended	0.07	-	-	0.01
3	Dairy farm	Cauliflower-21	Carbendazim	Not recommended	0.11	-	-	0.01