

5.3 รายการตรวจเอกลักษณ์ (Identification tests) ไอออนอนินทรีย์ (Inorganic ions) ไอออนอินทรีย์และสารประกอบ (Organic ions and compounds) ในวัตถุเจือปนอาหาร

Absorption of iodine	Precipitate formation	Test for ferric and ammonium salt
Acidity	Readily oxidizable substances	Test for ferric salt/ Ferric salt
Acidity or alkalinity	Reducing sugars	Test for ferrocyanide/ Ferrocyanide
Adsorption	Resorcinol and other phenol	Test for ferrous salt/ Ferrous salt
Alkali and alkali earths	Solubility	Test for glutamate
Alkali and rare earths	Solubility in alkali	Test for guanylic acid
Alkalinity	Solution in chloroform	Test for hypochlorite
Alkalis (free) and soluble salts	Spectrophotometry	Test for inosinic acid
Amino acid	Starch or dextrin	Test for lactate/ Lactate
Ascorbate	Starch/ Starch and dextrans	Test for magnesium salt
Barium	Sugar	Test for magnesium/ Magnesium
Basic coloring	Tannin-bearing gums	Test for nitrate/ Nitrate
Basic coloring matter	Test for acetate/ Acetate	Test for nitrite/ Nitrite
Basic dye	Test for acid	Test for organic phosphate
Benzoic and salicylic acid	Test for alginate/ Alginate	Test for peroxide/ Peroxide
Bicarbonate/Carbonate	Test for alkali	Test for phosphate/ orthophosphate/ Test for phosphorus/Test for orthophosphate/ Phosphate
Chelating activity to metal ions	Test for aluminium/ Aluminium	Test for potassium salt/ Potassium
Citric, oxalic, phosphoric or tartaric acid	Test for amino acid	Test for reducing sugar
Colour intensity	Test for ammonium/ Ammonium/ Ammonia/ Ammonium salts	Test for ribose
Colour reaction	Test for benzoate/ Benzoate	Test for sodium
Colour test	Test for bicarbonate	Test for succinate
Copper reduction	Test for bromate/ Bromate	Test for sulfate/ Sulfate limit test/ Sulfite/Bisulfite
Derivation to salicylic acid	Test for calcium salt/ Calcium	Test for sulfite/ Test for sulfite and bisulfite
Fatty acids and esters	Test for carbon dioxide	Test for tartrate/ Tartrate

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Formic acid and oxidizable impurities	Test for carbonate	Test for thiocyanate
Free acid and alkali	Test for carotenoids/ Carotenoids	Test for thiosulfate/ Thiosulfate
Free alkali	Test for chloride/ Chloride limit test/Chlorides	Test for zinc salt/ Zinc
Gelatinization	Test for chlorite	Transmittance
Identification of colouring matter	Test for citrate/ Citrate	Ultraviolet absorption
Nitric acid test	Test for copper/ Copper	UV/VIS absorption
Oxalate/ Oxalate limit test	Test for cupric salt	Water absorption