

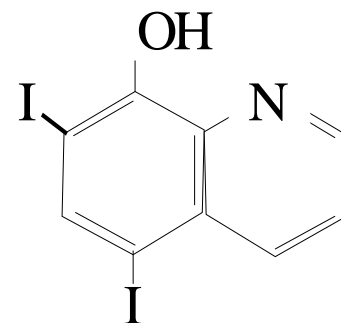
# Di – iodo hydroxyquinoline

Iodouinol

$C_9H_5I_2NO$

Mol. Wt. 396.95

Category : Antiprotozoal



## SPECIFICATION

Description	:	Light yellow to yellowish brown microcrystalline powder Odourless or with a faint
Odour	:	Tasteless
Solubility	:	Insoluble in water sparingly soluble in alcohol and solvent ether
Free Iodine and Iodide	:	passes as pre pharmacopoeia
Sulphated ash	:	Not more than 0.2 %
Loss on drying	:	Not more than 0.5 %
Assay	:	97.0 % to 100.5 %

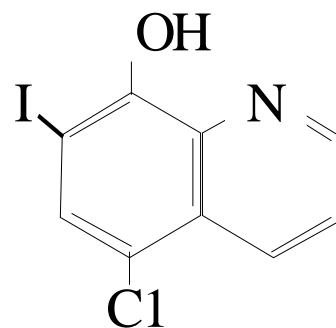
# Iodochlorhydroxyquinoline

Quiniodochlor / Clioquinol

C<sub>9</sub> H<sub>5</sub>Cl.I.NO

Mol. Wt. 305.5

Category : Antiprotozoal



## SPECIFICATION

Description	:	Light yellow to yellowish brown powder Odour faint faint & characteristic Tasteless
Solubility	:	Insoluble in water sparingly soluble in alcohol Soluble in hot glacial acetic acid, in not ethyl acetate, dimethylformamide and in pyridine
Free Iodine and Iodine	:	passes as per pharmacopoeia
Melting point	:	172 <sup>0</sup> C to 182 <sup>0</sup> C
Acidity or Alkalinity	:	passes as per pharmacopoeia
Halide ions	:	passes as per pharmacopoeia
Chlorine & Iodine content	:	passes as per pharmacopoeia
Residue on ignition	:	Not more than 0.5 %
Sulphated ash	:	Not more than 0.2 %
Loss on drying	:	Not more than 0.5 %
Assay	:	95.0 % to 101.0 %

# Potassium Iodide

KI

Mol. Wt. 166.0

Category : Antifungal, Expectorant, source of Iodine

## SPECIFICATION

Description	:	Colourless crystals or white Powder Odourless, Taste saline and slightly bitter
Solubility	:	Very soluble in water, glycerine Soluble in alcohol
Alkalinity	:	passes as per pharmacopoeia
Iodates	:	passes as per pharmacopoeia
Arsenic	:	Not more than 2ppm
Heavy metals	:	Not more than 10 ppm
Barium	:	passes as per pharmacopoeia
Cyanides	:	passes as per pharmacopoeia
Loss on drying	:	Not more than 1.0 %
Assay	:	Not more than 99.0 %

# Potassium Iodide

$KIO_3$

Mol. Wt. 214.02

Category : Topical Antiseptic & Source of Iodine

## **SPECIFICATION**

DESCRIPTION	:	Crystalline white powder
SOLUBLITY	:	Soluble in water (30 parts)
HEAVYMETAL	:	Not more than 10 PPM
ARSENIC	:	Not more than 3 PPM
LOSS ON DRYING	:	0.2 %
ASSAY (PURITY)	:	99.1 % (on dry basis)

# Sodium Iodide

NaI

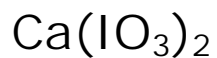
Mol. Wt. 149.89

Category : Expectorant, Source of Iodine

## SPECIFICATION

Description	:	Colourless crystals or white powder
Solubility	:	Very soluble in water, glycerine Soluble in alcohol
Alkalinity	:	passes as per pharmacopoeia
Iodates	:	passes as per pharmacopoeia
Thiosulfate & Barium	:	passes as per pharmacopoeia
Potassium	:	passes as per pharmacopoeia
Heavy metals	:	Not more than 10 PPM
Nitrate, Nitrite & Ammonia	:	passes as per pharmacopoeia
Organic volatile impurities	:	passes as per pharmacopoeia
Loss on drying	:	Not more than 2.0 %
Assay	:	Not more than 99.0 % Not more than 101.5 %

# Calcium Iodate



Mol. Wt. 389.90

Category : Expectorant, Source of Iodine

## SPECIFICATION

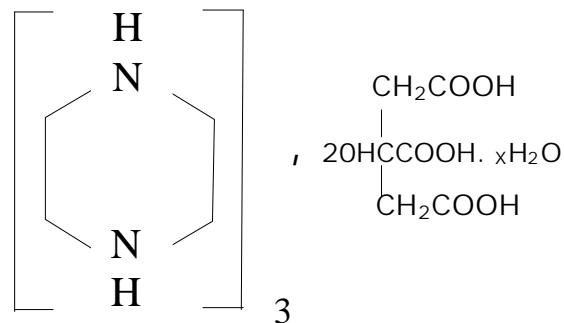
Description	:	A white crystalline Odourless powder
Arsenic	:	0.03 ppm max.
Heavy metals	:	0.20 ppm max.
Iodide	:	0.20 ppm max.
Bromate, Bromide Chlorate, chloride	:	0.300 ppm max.
Assay (on dry basis )	:	99.0 % min.

# Piperazine Citrate

$(C_4H_{10}N_2)_3, 2C_6H_8O_7$

Mol. Wt. 642.66 (anhydrous)

Category : Anthelmentic



## SPECIFICATION

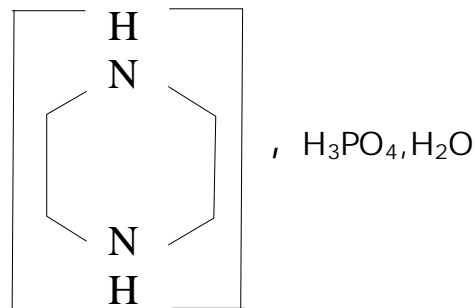
Description	:	white crystalline powder Almost Odourless Taste acidic
Solubility	:	Freely soluble in water, practically insoluble in alcohol
PH (5 % Solution in water )	:	Between 5.0 – 6.0
primary amines & ammonia	:	passes as per pharmacopoeia
Sulphated Ash	:	Not more than 0.1 %
Water	:	Between 10 % to 15 % w/w
Assay	:	Not less than 98.0 % on anhydrous base

# Piperazine Phosphate

$C_4H_{10}N_2, H_3PO_4, H_2O$

Mol. Wt. 202.15

Category : Anthelmentic



## SPECIFICATION

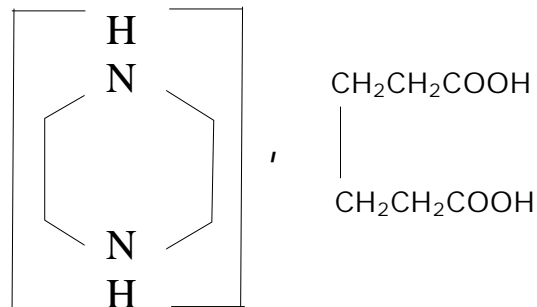
Description	:	White crystalline powder almost odourless Taste slightly acidic
Solubility	:	Sparing soluble in water, practically Insoluble in alcohol
PH (1 % w/v Solution in Water)	:	Between 6.0 –6.5
Heavy metals	:	Not more than 20 PPM
Water	:	Between 8.0 % to 9.5 % w/w
Assay	:	Not less than 98.5 % on anhydrous base

# Piperazine Adipate

$C_4H_{10}N_2$ ,  $C_6H_{10}O_4$

Mol. Wt. 232.28

Category : Anthelmentic



## SPECIFICATION

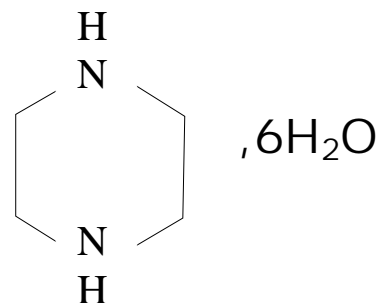
Description	:	white crystalline powder almost odourless Taste slightly acidic
Solubility	:	Soluble in water, practically insoluble in alcohol
PH (5 % w/v Solution in Water)	:	between 5.0 –6.0
Heavy metals	:	Not more than 20 ppm
Sulphated Ash	:	Not more than 0.1 %
Loss on drying	:	Not more than 0.5 %
Assay	:	Not less than 98.0 % on dried base

# Piperazine Hydrate

$C_4H_{10}N_2 \cdot 6H_2O$

Mol. Wt. 194.23

Category : Anthelmintic



## SPECIFICATION

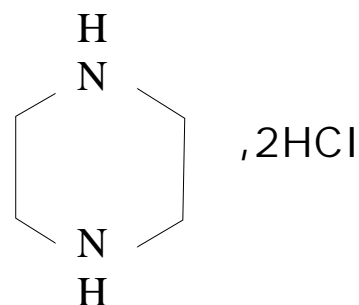
Description	:	colourless, glass crystal, odour, faint and characteristic, deliquescent.
Solubility	:	Freely soluble in water and alcohol, Insoluble In solvent and ether
Melting point	:	42°C
Heavy metals	:	<20 parts per million
Sulphated Ash	:	0.070 %
Assay	:	98 % to 101 %

# Piperazine Di HCl

$C_4H_{10}N_2, 2HCl$

Mol. Wt. 159.08

Category : Anthelmentic



## SPECIFICATION

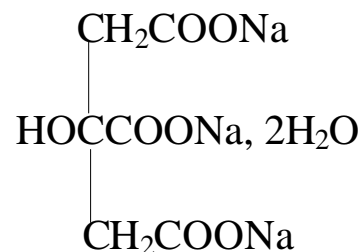
Description	:	A white free flowing cyrstalline powder Hygroscopic
Solubility	:	Free soluble in water Insoluble in ethanol and ether
water	:	10.0 % max.
PH	:	3.0 to 3.4
Assay (on anhydrous basis)	:	98.5 % to 100.5

# Sodium citrate

$C_6H_5Na_3O_7, 2H_2O$

Mol. Wt. 294.10

Category : Systemic alkaliser



## SPECIFICATION

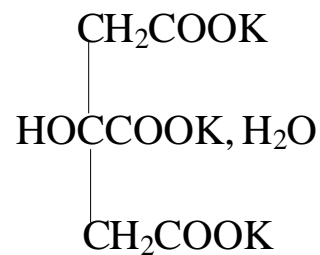
Description	:	Colourless crystal or white crystalline powder Almost odourless taste saline
Solubility	:	very soluble in boiling water, freely soluble in water, practically insoluble in alcohol
Acidity or Alkalinity	:	passes as per pharmacopoeia
Arsenic	:	Not more than 2 ppm
Heavy metals	:	Not more than 10 ppm
Chlorides	:	passes as per pharmacopoeia
Sulphate	:	passes as per pharmacopoeia
Tartarate	:	passes as per pharmacopoeia
Oxalate	:	passes as per pharmacopoeia
Readily carbonisable Sub.	:	passes as per pharmacopoeia
Water	:	between 11 % to 13 % w/w
Assay	:	Not less than 99.0% and Not more than 101.0% on anhydrous base

# Potassium citrate

$C_6H_5K_3O_7, H_2O$

Mol. Wt. 324.42

Category : Systemic alkaliser



## SPECIFICATION

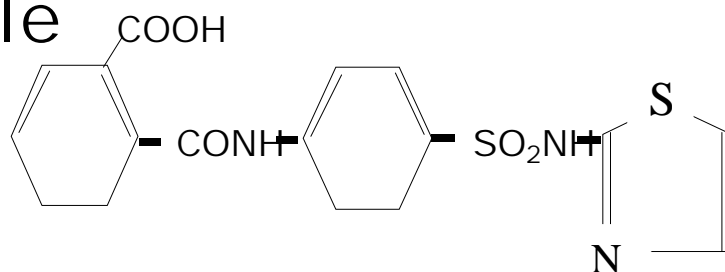
Description	:	White grannular crystals or crystalline powder odourless, taste saline
Solubility	:	very soluble water, practically insoluble in alcohol, soluble in glycerine
Acidity or Alkalinity	:	passes as per pharmacopoeia
Arsenic	:	Not more than 2 ppm
Heavy metals	:	Not more than 10 ppm
Sodium	:	passes as per pharmacopoeia
Chlorides	:	passes as per pharmacopoeia
Sulphate	:	passes as per pharmacopoeia
Oxalate	:	passes as per pharmacopoeia
Readily carbonisable Sub.	:	passes as per pharmacopoeia
Water	:	between 4.0 % to 7.0 % w/w
Assay	:	Not less than 99.0% and Not more than 101.0% on anhydrous base

# Phtahlylsulphathiazole

$C_{17}H_{13}N_3O_5S_2$

Mol. Wt. 403.43

Category : Antibacterial (intestinal)



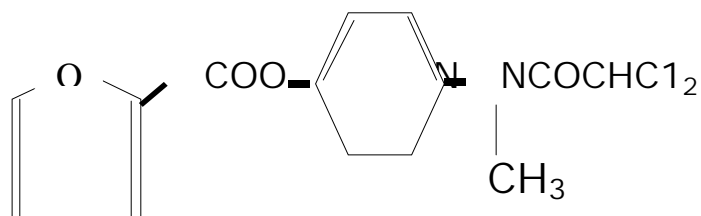
## SPECIFICATION

Description	:	White or yellowing white crystals or powder odourless or almost odourless, taste slightly bitter
Acidity	:	passes as per pharmacopoeia
Clarity and colour of solution	:	passes as per pharmacopoeia
Arsenic	:	Not more than 2 ppm
Heavy metals	:	Not more than 20 ppm
Iron	:	passes as per pharmacopoeia
Chlorides	:	passes as per pharmacopoeia
Sulphate	:	passes as per pharmacopoeia
Free sulphathiazole	:	passes as per pharmacopoeia
Related substance	:	passes as per pharmacopoeia
Sulphated Ash	:	Not more than 1.0 %
Loss on drying	:	Not more than 2.0 %
Assay	:	Not less than 98.5 % and Not more than 102.5% on dried base

# Diloxanide furoate

$C_{14}H_{11}Cl_3NO_4$   
Mol. Wt. 328.15

Category : Anti- amoebic

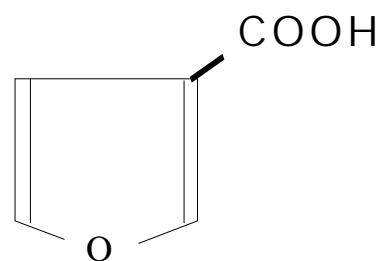


## SPECIFICATION

Description	:	white or almost white crystalline powder odourless, tasteless
Solubility	:	very slightly soluble water, soluble in alcohol, chloroform & solvent ether
Melting range	:	114 <sup>o</sup> C to 116 <sup>o</sup> C
Chloride	:	passes as per pharmacopoeia
Furoic acid	:	passes as per pharmacopoeia
Sulphated Ash	:	Not more than 0.1 %
Loss on drying	:	Not more than 0.5 %
Assay	:	Not less than 98.0 % and Not more than 102.0 % on dried base

# 2-Furoic Acid

$C_5H_4O_3$   
Mol. Wt. 112.08



## SPECIFICATION

Description	:	White crystalline powder, Odour pungent Taste pungent
Solubility	:	Soluble in water, alcohol, ether
Melting point	:	133°C to 134°C
Arsenic	:	Not more than 2 PPM
Heavy metals	:	Not more than 10 PPM
Loss on drying	:	Not more than 2.0 %
Sulphated Ash	:	Not more than 0.5 %
Assay	:	Not less than 98.0 %

# Capsiacin Oleoresin

Caosiacin 5 % to 20 %

Category : Counter irritant in rheumatism, inflammation,  
Stomachic and carminative, food additive

## SPECIFICATION

Description	:	Red to brown red oily resinous liquid
Odour	:	Pungent and characteristic
Taste	:	Highly pungent
Colour	:	1000 c.u. to 10,000 c.u.
Capsaicin content	:	No less than 8 % (Other grade 2 % to 20 % )

# Oleoresin Paprika

10,000 c.u. to 1,00,000 c.u.

Category : Natural Colouring Agent

## SPECIFICATION

### (A). PHYSICAL TEST

#### **Characteristic**

- 1). Appearance
- 2). Flavour
- 3). Colour
- 4). Odour  
(Capsicum Oleoresin )

#### **Observation**

Dark Red viscous liquid  
Nearly free from pungency  
dark red  
pungent

### (B). CHEMICAL TEST :

#### **Test**

- 1). Colour value
- 2). Capsaicin content
- 3). Residual solvent
- 4). Specific Gravity
- 5). Solubility
- 6). Preservatives
- 7). Aflatoxin
- 8). Arsenic
- 9). Lead
- 10). Heat Resistance
- 11). Humidity
- 12). Sediments
- 13). Viscosity

#### **Observation**

10,000 to 1,00,000 C.U.  
<0.02 %  
< 4 ppm  
< 1  
Oil soluble  
Nil  
Nil  
Nil  
Nil  
< 55°C  
Nil  
Nil

### (C). PATHOGENIC TEST : - (MICROBIOLOGICAL TEST )

#### **Test**

- 1). Total viable count
- 2). E. Coli
- 3). Salmonella
- 4). Yeast & mould
- 5). Coliforms
- 6). Bacillus cereus

#### **Observation**

<1 x 10<sup>4</sup> g max.  
<1 x 10<sup>3</sup> g max.  
Absent in 25g.  
<1 x 10<sup>4</sup> g max.  
<1 x 10<sup>4</sup> g max.  
<1 x 10<sup>3</sup> g max

# Oleoresin Turmeric

Curcumin 15 % to 35 %

Category : Antiinflammatory, expectorant  
Natural colouring Agent

## SPECIFICATION

### (A) PHYSICAL TEST

<b>Characteristic</b>	<b>Observation</b>
14). Appearance	Dark yellow viscous liquid
15). Flavour	Aromatic
16). Colour	Dark yellow
17). Odour	Characteristic, Aromatic

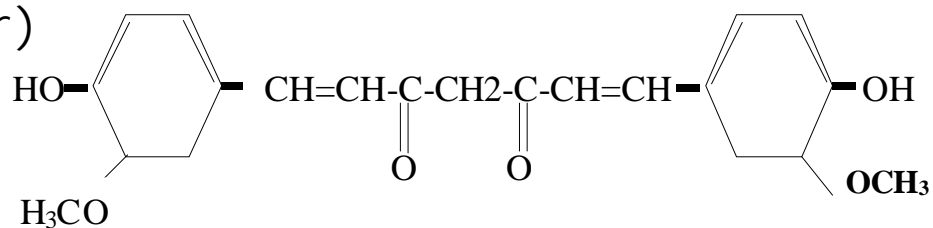
### (B) CHEMICAL TEST :

<b>Test</b>	<b>Observation</b>
1) Curumin content	2.0 % to 40 %
2) Residual solvent	< 4 ppm
3) Specdic Gravity	< 1
4) Solubility	Oil soluble
5) Preservatives	Nil
6) Aflatoxin	<4 ppb
7) Arsenic	Nil
8) Lead	Nil
9) Heat Resistance	< 55°C
10) Humidity	Nil
11) Sediments	Nil

### (C) PATHOGENIC TEST : - (MICROBIOLOGICAL TEST )

<b>Test</b>	<b>Observation</b>
1) Total viable count	<1 x 10 <sup>4</sup> g max.
2) E. Coli	<1 x 10 <sup>3</sup> g max.
3) Salmonella	Absent in 25g.
4) Yeast & mould	<1 x 10 <sup>4</sup> g max.
5) Coliforms	<1 x 10 <sup>4</sup> g max.
6) Bacillus cereaus	<1 x 10 <sup>3</sup> g max

## curcumin (powder)



curcumin 70 % to 98 %

Category : Natural colouring Agent

### SPECIFICATION

Description	:	Yellow crystalline powder
Odour	:	Characteristic
Taste	:	Bitter, Characteristic
Curcumin content	:	60.0 % to 95.0 %