

Composition of the substance

Name: Leach residues, cadmium cake

Description: Insoluble cadmium-containing residue after reduction of cadmium bearing solutions

Degree of purity: 100.0 % (w/w)

Constituent	Typical concentration	Concentration range	Remarks
cadmium EC no.: 231-152-8	56.4 % (w/w)	> 30.0 δ < 90.0 % (w/w)	Distribution of cadmium: CdSO ₄ *xH ₂ O = 46.88%; Cd = 46.24% ; CdCu = 5.18%; ZnSO ₄ *xH ₂ O = 1.70%
zinc EC no.: 231-175-3	9.7 % (w/w)	> 1.0 δ < 35.0 % (w/w)	Distribution of zinc: ZnSO ₄ *xH ₂ O = 79.16%; CdSO ₄ *xH ₂ O = 18.84%; ZnS = 2.00%
copper EC no.: 231-159-6	1.86 % (w/w)	1.0 δ < 80.0 % (w/w)	Distribution of copper: CdCu = 59%; Cu = 41%
lead EC no.: 231-100-4	0.14 % (w/w)	>= 0.1 δ < 65.0 % (w/w)	Lead is present in the form of PbO
nickel EC no.: 231-111-4	0.15 % (w/w)	>= 0.0 δ < 10.0 % (w/w)	
Manganese oxide EC no.: 215-695-8	0.25 % (w/w)	>= 0.1 δ < 2.0 % (w/w)	
sulfur EC no.: 231-722-6	5.57 % (w/w)	> 0.0 δ < 10.0 % (w/w)	
cobalt EC no.: 231-158-0	< 0.0010 % (w/w)	>= 0.0 δ < 10.0 % (w/w)	
antimony EC no.: 231-146-5	< 0.0010 % (w/w)	>= 0.0 δ < 5.0 % (w/w)	
thallium EC no.: 231-138-1	< 0.0010 % (w/w)	>= 0.0 δ < 1.0 % (w/w)	
arsenic EC no.: 231-148-6	ca. 0.0 % (w/w)	>= 0.0 δ < 1.0 % (w/w)	