

Certification of Non-Use of PAHs and its salts.

We (Sinopower Semiconductor Inc.) hereby affirms/certify all parts and components supplied at present (or to be supplied hereafter) be free or less than threshold of the **PAHs** and its salts designated below.

1. Non-Use of Substances

PAHs :Polycyclic Aromatic Hydrocarbons

2. The prohibited contain limit

*No additional with intentional.

Even if there are no additional intended(impurity),there are no over the limit value of the below list.

*There are not the prohibited targets for using in the production process.

化合物名稱	CAS 編號	限值 (mg/kg)				
		類別 1	類別 2		類別 3	
		意圖放入嘴內的材料或玩具中材料列於 2009/48/EC 或(含)3歲以下兒童使用之產品會與皮膚有長時間接觸(超過 30 秒)	不屬於第 1 類的材料並可預見與皮膚長時間接觸(超過 30 秒)或重複與皮膚接觸	2009/48/EC 適用的玩具產品兒童使用	產品安全法 ProdSG 涉及的其他消費品	2009/48/EC 適用的玩具產品兒童使用
Benzo[a]pyrene 苯並[a]芘 (BaP) (mg/kg)	50-32-8	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[e]pyrene	192-97-2	< 0.2	< 0.2	< 0.5	< 0.5	< 1

苯並[e]芘(BeP) (mg/kg)						
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Benzo[a]anthracene 苯並[a]蒽(BaA)	56-55-3	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[b]fluoranthene 苯並(b)芘(BbFA)	205-99-2	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[j]fluoranthene 苯並[j]芘(BjFA)	205-82-3	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[k]fluoranthene 苯並(k)芘(BkFA)	207-08-9	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysene 蒽(CHR)	218-01-9	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenzo[a,h]anthracene 苯並(a, h)蒽(DBAhA)	53-70-3	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[g,h,i]perylene 苯並(ghi)芘	191-24-2	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno[1,2,3-cd]pyrene 芘並(1,2,3-cd)芘	193-39-5	< 0.2	< 0.2	< 0.5	< 0.5	< 1

Fluorene 芴	86-73-7	Sum: < 1	Sum: < 5	Sum: < 10	Sum: < 20	Sum: < 50
Phenanthrene 菲	85-01-8					
Pyrene 芘	129-00-0					
Anthracene 蒽	120-12-7					
Naphthalene 萘	91-20-3					
Sum of 18 PAH above 以上 18 種 PAHs 的總和	< 1					
	< 1	< 1	< 2		< 10	
		< 1	< 5	< 10	< 20	< 50

*=重複短時間與皮膚接觸的定義引用自 REACH 附件 17 第 50 條修訂條款（歐盟法規 1272/2013）

The contain limit & except application are pursuant to the laws , and if there were the alterations of the regulations , the alterations are taken precedence.

Company Stamp :



Date: 07/01/2020

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