



Version: 14 June 2021

PALLUNA® Palladium Solution 460

Tetraammine palladium(II) chloride solution ($[\text{Pd}(\text{NH}_3)_4]\text{Cl}_2$)



PALLUNA® Palladium Solution 460

The palladium complex PALLUNA® Palladium Solution 460 is used in palladium and palladium-nickel electrolytes - for both decorative and technical applications. In addition, the palladium solution is used in the PCB industry in electroless palladium processes.

PALLUNA® Palladium Solution 460 HP

The HP version is particularly suitable for palladium and palladium-nickel electrolytes with special requirements regarding impurities and pH value. This version can also be used for decorative and technical applications.

	Characteristics	
	460	460 HP
Color	yellow	yellow
Density (g/cm ³)	1.12	1.13
pH value	11.0	9.0
Palladium (g/l)	100.0	100.0

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Tetraammine palladium(II) chloride solution ($[\text{Pd}(\text{NH}_3)_4]\text{Cl}_2$)

TECHNICAL SPECIFICATIONS

	Impurities	
	460	460 HP
Ag	< 50.0 µg/g	< 5.0 µg/g
Al	-	< 5.0 µg/g
Au	< 50.0 µg/g	< 5.0 µg/g
B	-	< 2.0 µg/g
Ca	< 5.0 µg/g	< 5.0 µg/g
Cd	-	< 2.0 µg/g
Co	< 1.0 µg/g	< 1.0 µg/g
Cr	< 1.0 µg/g	< 1.0 µg/g
Cu	< 25.0 µg/g	< 1.0 µg/g
Fe	< 25.0 µg/g	< 1.0 µg/g
In	-	< 2.0 µg/g
Ir	< 5.0 µg/g	< 5.0 µg/g
K	-	< 5.0 µg/g
Mg	< 1.0 µg/g	< 1.0 µg/g
Mn	-	< 2.0 µg/g

	Impurities	
	460	460 HP
Mo	-	< 2.0 µg/g
Na	-	< 15.0 µg/g
Ni	< 1.0 µg/g	< 1.0 µg/g
Pb	< 25.0 µg/g	< 1.0 µg/g
Pt	< 50.0 µg/g	< 10.0 µg/g
Rh	< 50.0 µg/g	< 10.0 µg/g
Ru	< 5.0 µg/g	< 5.0 µg/g
Sb	-	< 2.0 µg/g
Si	< 50.0 µg/g	< 20 µg/g
Sn	-	< 10 µg/g
Ti	-	< 20 µg/g
W	-	< 5.0 µg/g
Zn	-	< 20 µg/g
Zr	-	< 20 µg/g

YOUR CONTACT

Do you have a specific question or would you like a no-obligation quote calculation?
Our specialist will be happy to help you with any technical questions you might have.



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