



# Stainless Steels 304 & 305 Material Composition Sheet

Document Name

Revision

Revision Date

**Material Composition Sheet**

**[1]**

**2020.08.04**

## IDENTIFICATION

Material Identifier:	Product Form	Intended use in Denovo products
High Performance, Stainless Steels and related Alloys: 304 & 305	Solid Metal Alloy	Solid stainless steel used to form bands, crowns, tubes and wiring.
Silver Solder: Handyflo-120	Solid Brazed Alloy	Solder is used to braze tubing to bands and crowns.

## PRODUCT MATERIAL DETAILS

	Stainless Steel 304	Stainless Steel 305	Handy-Flo Solder
Space Maintainer System	✓		✓
Matrix Band System	✓		
Strip-T System	✓	✓	
Molar Band System	✓		
SS Molar Crowns	✓		
SS Anterior Crowns		✓	
Instruments	✓		

## STAINLESS STEEL 304


Ingredient Name	Composition %	CAS Number
Iron	<b>69.22%</b>	7439-89-9
Chromium	<b>18.12%</b>	7440-47-3
Nickel	<b>9.58%</b>	7440-02-2
Manganese	<b>1.59%</b>	7439-96-5
Silicon	<b>0.52%</b>	7440-21-3
Molybdenum	<b>0.39%</b>	7429-98-7
Copper	<b>0.35%</b>	7440-50-8
Cobalt	<b>0.18%</b>	7440-48-4
Carbon	<b>0.05%</b>	7440-44-0
Phosphorus, Titanium, Sulphur, Aluminum, Oxygen	<b>Trace Amounts</b>	

## STAINLESS STEEL 305

Ingredient Name	Composition %	CAS Number
Iron	<b>64.88 - 69.38%</b>	7439-89-9
Chromium	<b>17.0 - 19.0%</b>	7440-47-3
Nickel	<b>10.5 - 13.0%</b>	7440-02-2
Manganese	<b>2.0%</b>	7439-96-5
Silicon	<b>1.0%</b>	7440-21-3
Carbon	<b>0.12%</b>	7440-44-0
Phosphorus, Titanium, Sulphur, Aluminum, Oxygen	<b>Trace Amounts</b>	

## HANDY-FLO 120

Ingredient Name	CAS Number
Boric Acid	10043-35-3
Petroleum distillates C12-C15, hydrotreated light	64742-47-8
Potassium Fluoborate	14075-53-7
Potassium Fluoride	7789-23-3

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**I Amendment History Table:**

Revision Date		Description of Change	Made by (initials)
1	2020.08.04	Updated to new format	CH