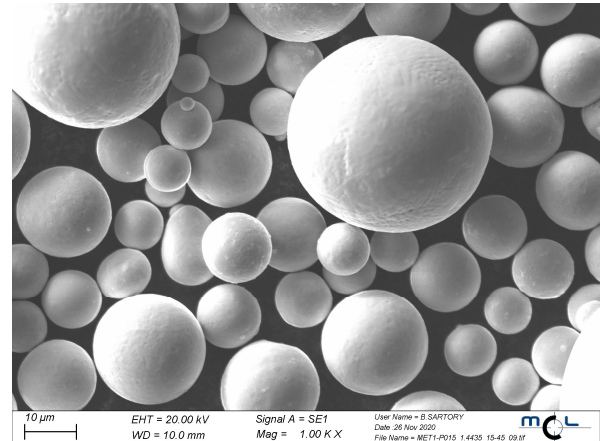


Stainless Steel: MET 1.4435

Alternative designation: 316L Med

Description and general material properties

MET 316L Medical is a stainless steel with a very low carbon content and high corrosion resistance. Due to its resistance to many forms of corrosion and the excellent surface quality that can be achieved, it is mainly used in medical technology. Furthermore, it is used in chemical and petrochemical industry, in food processing, pharmaceutical equipment, in potable water, wastewater treatment, in marine applications and architectural applications near the seashore or in urban areas.



Powder characteristics

Chemical composition		
Element	Min [wt%]	Max [wt%]
Cr	17,0	18,0
Ni	12,5	14,0
Mo	2,5	3,0
Mn		2,0
Si		0,75
Others total		0,2
Fe	Balance	Balance

Important note:

This powder has not been developed, tested or certified as a medical device according to Directive 93/42/EEC (MDD) or Regulation (EU) 2017/745 (MDR) and is not intended to be used as a medical device, in particular for the purposes specified in Art. 2 No. 1 MDR. Insofar as you intend to use the powder as raw material for the manufacture of pharmaceutical products or medical devices (e.g. as raw material which as a material must meet the requirements of Annex 1, Chapter II MDR), the responsibility and liability for all analyses, tests, evaluations, procedures, risk assessments, conformity assessments, approval and certification procedures as well as for all other official and regulatory measures required for this purpose shall lie solely with you both with regard to the pharmaceutical product and/or medical device manufactured by you and with regard to the properties, suitability, testing, evaluation, risk assessment, other requirements for use of the powder as raw material.

In this respect, the limitations of liability pursuant to our General Terms and Conditions and the system sales or material contracts shall apply.

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The information given in this document shall be in no event regarded as guarantee of conditions or characteristic. We always recommend the user to test our products on his own responsibility. Extensive research is ongoing, which is why Metalpine reserves the right to change the specification, information and data without notice.