



PURETUBE

色谱柱管

HPLC column

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普瑞316LVM-为高效分离而生

PR-316LVM—Born for High-Efficiency Chromatography

公司简介

About Us

浙江普瑞管业有限公司自2016年开始深耕色谱分离耗材领域，主营全系列HPLC、UPLC色谱柱全套硬件产品，集精密制管、数控精加工、配套零配件一体化生产于一体，从柱管基材成型、内壁电解抛光到接头、堵头等全套配套件生产，实现全流程品质可控。

PURETUBE has been deeply engaged in the field of HPLC consumables since 2016, specializing in a full range of hardware products for HPLC and UPLC columns. The company integrates precision tube manufacturing, CNC machining, and the production of matching components into one integrated operation, covering everything from column tube material forming and internal EP to the production of fittings, end caps, and other accessories, ensuring full-process quality control.

核心优势

Core Competitiveness



超高精密

Ultra-High Precision



超高洁净

Ultra-High Cleanliness



高纯材料

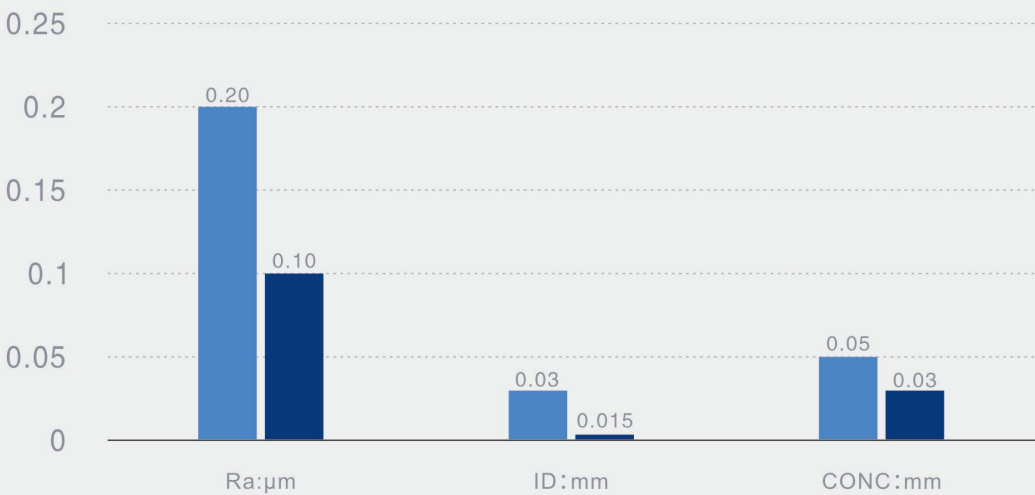
High-Purity Materials



规格材质 Specifications & Materials



- 主流HPLC Material: TP-316L
- 普瑞UPLC Material: PR-316LVM



HPLC/UPLC Regular Size:

超高效微流主流	半制备/大流量分析	HPLC通用内径
2.1x50 mm	3.0x50 mm	4.6x50 mm
2.1x100 mm	3.0x100 mm	4.6x100 mm
2.1x150 mm	3.0x150 mm	4.6x150 mm
2.1x250 mm	3.0x250 mm	4.6x250 mm

化学成分 Chemical Composition

		C	Si	Mn	P	S	Ni	Cr	Mo
TP-316L	控制值 control value	max0.035	max1.0	max2.0	max0.045	max0.03	10.00-14.00	16.00-18.00	2.00-3.00
HPLC (TP-316L)	示例 typical	0.022	0.35	1.07	0.032	0.002	12.56	16.37	2.55
UPLC (PR-316LVM)	示例 typical	0.015	0.32	1.70	0.014	0.001	13.50	17.40	2.67



粗糙度测试
Ra Test



100倍显微镜
Surface Status at 100x

高纯熔炼(VIM+ESR) Vacuum Melting

非金属夹杂物(Non-Metallic Inclusions):ASTM E45-25 A															
子炉号/炉号 Sub Heat No. /Heat No.	部位 Position	试验位置 Test Position	A (Grade)		B (Grade)		C (Grade)		D (Grade)		B(C,N) (Grade)		D(C,N) (Grade)		DS (Grade)
			Thin	Heavy	Thin	Heavy	Thin	Heavy	Thin	Heavy	Thin	Heavy	Thin	Heavy	
			≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	-	-	-	-	
JLYX263-124	成品/尾 FG/Tail	1/2R	0	0	0.5	0	0	0	1.0	0	-	-	-	-	-

产品及加工

Products And Processing



柱头
End Fitting

01

管子
Tube

ID:2.1/3.0/4.0/4.6
10.0/20.0/21.2/30.0/40.0mm

02



加工螺纹
Thread Machining

03



成品组装
Final Product Assembly

04



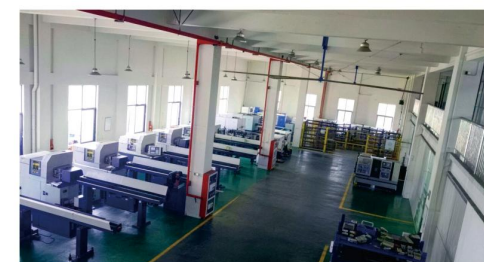
镜面拉拔
Mirror Drawing



电解抛光
Electro Polishing



精密加工
Precision Machining



超纯清洗
UHP Cleaning



精密测量
Precision Measurement

