

Bill of materials

Tab. 1.1: Bill of materials: Science experimental unit.

description	fabriquer	part name	part number	quantity	data sheet (hyperlink)
camera	Raspberry Pi Foundation	Raspberry Pi camera module v2	RPI 8MP camera board	1	data sheet
camara connection cable	-	Flex Cable for Raspberry Pi Camera	-	1	-
microscope objective	Carl Zeiss Microscopy GmbH	EC Epiplan Neofluar 2.5 x/0.06	422320-9900-000	1	hompag
tube lens	Carl Zeiss Microscopy GmbH	tube lens	423606-8031-000	1	-
mounting rods (modified)	Qioptiq Photonics GmbH & Co. KG	Rod 150 mm	G061210000	4	hompag
mounting Plates (modified)	Qioptiq Photonics GmbH & Co. KG	Mounting Plate 30	G061042000	4	hompag
mounting Plates (modified)	Qioptiq Photonics GmbH & Co. KG	Mounting Plate Without Hole	G061008000	2	hompag
grub screws	Qioptiq Photonics GmbH & Co. KG	Set of Threaded Pins M2.3x3	G061011000	~50	hompag
LED (modified)	LUMITRONIX LED-Technik GmbH	Cree XM ??? with PCB (Star)	??	2	hompag
acrylic glass diffusor	Goethe University	-	-	1	-
aluminum LED holder	Goethe University	-	-	1	-
sample chamber	Nordlicht GmbH	-	-	1	hompag
W electrodes (Cu galvanized)	TECHNOLIT GmbH	tungsten electrode, green	415 010	2	hompag
vibrating motor	??	??	??	1	??
2-c epoxy resin adhesive	UHU GmbH & Co KG	PLUS ENDFEST 300	UH45640	~20 g	Safety data sheet
2-c kneading epoxy resin	UHU GmbH & Co KG	REPAIR ALL POWERKITT	UH49040	~20 g	Safety data sheet