Project lab

length of string: 65 cm

Plucking ⅛ of string length

Note D2/D3

sampling rate 44100 Hz

Distance to string: 1.5 cm

1. Flatwound (polished)

8.05 g (with ball end) Length 1.02 m Note D2

1. Nylon string

0.91 g Length 1.02 m Note D3

1. Nylgut (synthetic gut)

1.02 g 1.02 m D3

1. Nylgut (wound)

5.898 g 1.04 m D2

5. Silk (wound)

6.440 g 1.06 m D2

6. Gut

1.077 g 1.27 m D3

7. Steel

1.33 g 1.01 m D3

8. Roundwound

7.199 g 1.00 m D2

9. Polishing RW 5 times P240 5 times 400 korn sanding sponge

10. Polishing RW Until smoother feel with P240 and 400 korn sanding sponge

11. Polishing RW until as smooth as possible with P240 and 400 korn sanding sponge

12. Polishing RW until even smoother with sanding sponge

7.027 g final weight

13. Nylon wound

5.741 g 1.01 m

14. Violin G string

1.452 g, 54 cm

15. Violin G string gut core

1.240 g, 53 cm

Microphone moved a couple of times