# Schops UPWR

- Gravity 11.4 BLG
- ABV 4.6 %
- IBU **13**
- SRM 9.8

#### **Batch size**

- Expected quantity of finished beer 10 liter(s)
- Trub loss 5 %
- Size with trub loss 10.5 liter(s)
- Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 12.7 liter(s)

### Mash information

- Mash efficiency **75** %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size **6.6 liter(s)**
- Total mash volume 8.8 liter(s)

#### Steps

- Temp **60 C**, Time **5 min** Temp **68 C**, Time **45 min** Temp **70 C**, Time **5 min**
- Temp 78 C, Time 1 min

## Mash step by step

- Heat up 6.6 liter(s) of strike water to 66.7C
- Add grains
- Keep mash 5 min at 60C
- Keep mash 45 min at 68C
- Keep mash 5 min at 70C
- Keep mash 1 min at 78C
- Sparge using 8.3 liter(s) of 76C water or to achieve 12.7 liter(s) of wort

### **Fermentables**

Туре	Name	Amount	Yield	EBC
Grain	Pszeniczny	1.5 kg <i>(68.2%)</i>	85 %	4
Grain	Pilzneński	0.5 kg <i>(22.7%)</i>	81 %	4
Grain	Karmelowy Czerwony	0.1 kg <i>(4.5%)</i>	75 %	59
Grain	Strzegom Czekoladowy jasny	0.1 kg (4.5%)	68 %	400

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Hallertau Tradition	10 g	60 min	5.5 %

#### **Yeasts**

Name	Туре	Form	Amount	Laboratory
Safale S-04	Ale	Dry	5.75 g	Fermentis

# **Extras**

Туре	Name	Amount	Use for	Time
Spice	gałka muszkatołowa	7.5 g	Boil	10 min

Flavor	Lactobacillus	5 g	Boil	1440 min
	plantarum			