

Ciemne Ale "Krok w mrok"

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **29**
- SRM **30.3**
- Style **Schwarzbier**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **17.3 liter(s)**
- Total mash volume **23 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	2 kg (34.8%)	80 %	5
Grain	Monachijski	2 kg (34.8%)	80 %	16
Grain	Caramunich® typ I	1 kg (17.4%)	73 %	80
Grain	Fawcett - Pale Chocolate	0.25 kg (4.3%)	71 %	600
Grain	Strzegom Karmel 600	0.25 kg (4.3%)	68 %	601
Grain	Fawcett - Pszeniczny Czekoladowy	0.25 kg (4.3%)	73 %	1001

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	15 g	60 min	10 %
Boil	Marynka	20 g	20 min	10 %
Aroma (end of boil)	Marynka	15 g	5 min	10 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	10 g	Fermentis