

Bitter

- Gravity **9.3 BLG**
- ABV **3.6 %**
- IBU **22**
- SRM **12.9**
- Style **Special/Best/Premium Bitter**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **65 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12.1 liter(s)**
- Total mash volume **16.2 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	3.5 kg (86.4%)	85 %	7
Grain	Fawcett - Crystal	0.5 kg (12.3%)	70 %	160
Grain	Strzegom Czekoladowy ciemny	0.05 kg (1.2%)	68 %	1200

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	20 g	40 min	10 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM10 O czym szumią wierzby	Ale	Liquid	1000 ml	Fermentum Mobile