

Czarny Koziol

- Gravity **17.1 BLG**
- ABV **7.3 %**
- IBU **31**
- SRM **6.9**
- Style **Weizenbock**

Batch size

- Expected quantity of finished beer **30 liter(s)**
- Trub loss **5 %**
- Size with trub loss **31.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **38 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **30 liter(s)**
- Total mash volume **40 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszeniczny	6 kg (60%)	85 %	4
Grain	Monachijski	4 kg (40%)	80 %	16

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	50 g	60 min	10 %