

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 % |