Special Bitter 02.2023

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **34**
- SRM **6.6**
- Style **Extra Special/Strong Bitter (English Pale Ale)**

Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **22.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **14.1 liter(s)**
- Total mash volume **18.8 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	4.1 kg *(87.2%)*	81 %	4
Grain	Strzegom Wiedeński	0.4 kg *(8.5%)*	79 %	10
Grain	Weyermann Caramunich 3	0.2 kg *(4.3%)*	76 %	150

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	25 g	60 min	10 %
Whirlpool	Styrian Golding	50 g	10 min	3.6 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11 g	Fermentis