

Mkbewe

- Gravity **17.1 BLG**
- ABV ---
- IBU **62**
- SRM **32.5**
- Style **Black IPA**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

Mash information

- Mash efficiency **78 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **20.4 liter(s)**
- Total mash volume **27.2 liter(s)**

Steps

- Temp **64 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **20.4 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **10 min** at **78C**
- Sparge using **14.2 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	5 kg (73.5%)	80 %	4
Grain	Strzegom Monachijski typ I	1 kg (14.7%)	79 %	16
Grain	Strzegom Karmel 150	0.5 kg (7.4%)	75 %	150
Grain	Jęczmień palony	0.3 kg (4.4%)	55 %	985

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Sybilla	50 g	60 min	6 %
Boil	Sybilla	50 g	15 min	6 %
Boil	Sybilla	50 g	10 min	6 %
Boil	Sybilla	100 g	5 min	6 %
Dry Hop	Sybilla	50 g	5 day(s)	6 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Slant	200 ml	Safale