

Śmieciowe

- Gravity **17.7 BLG**
- ABV **7.6 %**
- IBU **107**
- SRM **4.3**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **19 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12.8 liter(s)**
- Total mash volume **17 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Jęczminny enzymatyczny	0.25 kg (4.8%)	76 %	4
Grain	Pszeniczny	1 kg (19%)	85 %	4
Grain	Pilzński	3 kg (57.1%)	81 %	4
Grain	Płatki pszeniczne	0.5 kg (9.5%)	60 %	3
Adjunct	Płatki Żytnie	0.5 kg (9.5%)	60 %	---

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	30 g	50 min	13 %
Boil	Magnum	20 g	50 min	12.7 %
Aroma (end of boil)	Chuj wie bo sie nazwa starła	65 g	10 min	12 %
Dry Hop	Citra	50 g	3 day(s)	12.6 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	---