

Zombie Dust Klon

- Gravity **15.9 BLG**
- ABV **6.7 %**
- IBU **45**
- SRM **7**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **75 min**
- Evaporation rate **8 %/h**
- Boil size **26 liter(s)**

Mash information

- Mash efficiency **82 %**
- Liquor-to-grist ratio **3.8 liter(s) / kg**
- Mash size **23.4 liter(s)**
- Total mash volume **29.5 liter(s)**

Steps

- Temp **66.7 C**, Time **60 min**
- Temp **75.6 C**, Time **20 min**

Mash step by step

- Heat up **23.4 liter(s)** of strike water to **72.8C**
- Add grains
- Keep mash **60 min** at **66.7C**
- Keep mash **20 min** at **75.6C**
- Sparge using **8.8 liter(s)** of **76C** water or to achieve **26 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4.3 kg (69.9%)	80 %	5
Grain	Weyermann - Carapils	0.31 kg (5%)	78 %	4
Grain	Karmelowy Jasny 30EBC	0.43 kg (7%)	75 %	30
Grain	Strzegom Wiedeński	0.43 kg (7%)	79 %	10
Grain	Strzegom Bursztynowy	0.37 kg (6%)	70 %	49
Grain	Strzegom Monachijski typ I	0.31 kg (5%)	79 %	16

Hops

Use for	Name	Amount	Time	Alpha acid
First Wort	Citra	20 g	75 min	12.8 %
Boil	Citra	20 g	15 min	12.8 %
Boil	Citra	20 g	5 min	12.8 %
Boil	Citra	20 g	1 min	12.8 %
Dry Hop	Citra	20 g	4 day(s)	12.8 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM52 Amerykański Sen	Ale	Liquid	140 ml	Fermentum Mobile