

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 |