

Żytnie IPA

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **35**
- SRM **6.5**
- Style **Rye IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.8 liter(s)**
- Total mash volume **22.4 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt | 3.8 kg (67.9%) | 80 % | 5 |
| Grain | Żytni | 1.5 kg (26.8%) | 85 % | 8 |
| Grain | Caramunich® typ I | 0.3 kg (5.4%) | 73 % | 80 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|-------|--------|--------|------------|
| Boil | Citra | 5 g | 60 min | 12 % |
| Boil | Citra | 20 g | 20 min | 12 % |
| Boil | Citra | 30 g | 10 min | 12 % |
| Whirlpool | Citra | 30 g | 0 min | 12 % |

Yeasts

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