

# Żytnie IPA

---

- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU ---
- SRM **5.1**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **11 %/h**
- Boil size **29.5 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

## Steps

- Temp **64 C**, Time **60 min**
- Temp **78 C**, Time **1 min**

## Mash step by step

- Heat up **18 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **1 min** at **78C**
- Sparge using **17.5 liter(s)** of **76C** water or to achieve **29.5 liter(s)** of wort

## Fermentables

| Type  | Name                      | Amount     | Yield | EBC |
|-------|---------------------------|------------|-------|-----|
| Grain | Weyermann - Pale Ale Malt | 3 kg (50%) | 85 %  | 7   |
| Grain | Weyermann - Rye Malt      | 3 kg (50%) | 85 %  | 7   |

## Hops

| Use for | Name           | Amount | Time     | Alpha acid |
|---------|----------------|--------|----------|------------|
| Dry Hop | Idaho 7 (Cryo) | 25 g   | 5 day(s) | 20.1 %     |
| Dry Hop | Ekuanot (Cryo) | 25 g   | 5 day(s) | 20.8 %     |

## Yeasts

| Name             | Type | Form | Amount | Laboratory |
|------------------|------|------|--------|------------|
| Danstar - BRY-97 | Ale  | Dry  | 22 g   | Danstar    |