

# Patryk

- Gravity **14.5 BLG**
- ABV **6 %**
- IBU **39**
- SRM **12.5**
- Style **American Amber Ale**

## Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **10.6 liter(s)**
- Total mash volume **14.2 liter(s)**

## Steps

- Temp **64 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **10.6 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **10 min** at **78C**
- Sparge using **8.1 liter(s)** of **76C** water or to achieve **15.2 liter(s)** of wort

## Fermentables

| Type  | Name                       | Amount         | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Strzegom Pilzneński        | 2 kg (56.5%)   | 80 %  | 4   |
| Grain | Strzegom Monachijski typ I | 1 kg (28.2%)   | 79 %  | 16  |
| Grain | Karmelowy Czerwony         | 0.5 kg (14.1%) | 75 %  | 59  |
| Grain | Jęczmień palony            | 0.04 kg (1.1%) | 55 %  | 985 |

## Hops

| Use for             | Name     | Amount | Time   | Alpha acid |
|---------------------|----------|--------|--------|------------|
| Boil                | octawia  | 17 g   | 60 min | 9 %        |
| Aroma (end of boil) | Citra    | 10 g   | 10 min | 12 %       |
| Aroma (end of boil) | Amarillo | 10 g   | 10 min | 9.5 %      |

## Yeasts

| Name                     | Type | Form | Amount | Laboratory |
|--------------------------|------|------|--------|------------|
| Hybrid Ale Yeast "Notty" | Ale  | Dry  | 10 g   | gozdawa    |

## Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

|        |                |     |      |        |
|--------|----------------|-----|------|--------|
| Fining | mech irlandzki | 4 g | Boil | 10 min |
|--------|----------------|-----|------|--------|