

GRAND PRIX IPA PRZEPIS CZESŁAW DZIEŁAK

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **59**
- SRM **5.9**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.5 liter(s)**
- Boil time **80 min**
- Evaporation rate **10 %/h**
- Boil size **34 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21.7 liter(s)**
- Total mash volume **29 liter(s)**

Steps

- Temp **64 C**, Time **60 min**
- Temp **71 C**, Time **15 min**
- Temp **77 C**, Time **4 min**

Mash step by step

- Heat up **21.7 liter(s)** of strike water to **71.4C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **15 min** at **71C**
- Keep mash **4 min** at **77C**
- Sparge using **19.6 liter(s)** of **76C** water or to achieve **34 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------|-----------------|-------|-----|
| Grain | Pilzneński | 5.8 kg (80%) | 81 % | 4 |
| Grain | Pszeniczny | 0.73 kg (10.1%) | 85 % | 4 |
| Grain | Monachijski | 0.5 kg (6.9%) | 80 % | 16 |
| Grain | Cara Gold | 0.22 kg (3%) | 75 % | 120 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|------------------------|--------|----------|------------|
| Boil | Magnum | 28 g | 60 min | 13.5 % |
| Boil | Columbus/Tomahawk/Zeus | 25 g | 15 min | 15.5 % |
| Boil | Centennial | 25 g | 10 min | 10.5 % |
| Boil | Simcoe | 25 g | 5 min | 13.2 % |
| Boil | Citra | 25 g | 1 min | 12 % |
| Dry Hop | Centennial | 50 g | 5 day(s) | 10.5 % |
| Dry Hop | Amarillo | 50 g | 5 day(s) | 9.5 % |
| Dry Hop | Simcoe | 50 g | 5 day(s) | 13.2 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-----------------------|-------------|-------------|---------------|-------------------|
| Wyeast - American Ale | Ale | Liquid | 125 ml | Wyeast Labs |

Extras

| Type | Name | Amount | Use for | Time |
|-------------|----------------|---------------|----------------|-------------|
| Fining | mech irlandzki | 5 g | Boil | 10 min |