

## Kolejna IPA

- Gravity **18.9 BLG**
- ABV **8.2 %**
- IBU **31**
- SRM **7**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **16.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **19.8 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)**

### Fermentables

| Type  | Name       | Amount       | Yield | EBC |
|-------|------------|--------------|-------|-----|
| Grain | Pilzneński | 5 kg (83.3%) | 81 %  | 4   |
| Grain | Carahell   | 1 kg (16.7%) | 77 %  | 26  |

### Hops

| Use for             | Name          | Amount | Time   | Alpha acid |
|---------------------|---------------|--------|--------|------------|
| Boil                | southern star | 10 g   | 60 min | 15.8 %     |
| Aroma (end of boil) | southern star | 40 g   | 5 min  | 15.8 %     |

### Yeasts

| Name            | Type | Form  | Amount | Laboratory |
|-----------------|------|-------|--------|------------|
| FM53 Voss kveik | Ale  | Slant | 200 ml | FM         |