

# English India Pale Ale

- Gravity **11.9 BLG**
- ABV ---
- IBU **53**
- SRM **6.4**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **10 %**
- Size with trub loss **27.5 liter(s)**
- Boil time --- **min**
- Evaporation rate **15 %/h**
- Boil size --- **liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.05 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **21.9 liter(s)**

## Steps

- Temp **44 C**, Time **0 min**
- Temp **62 C**, Time **40 min**
- Temp **72 C**, Time **50 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **16.5 liter(s)** of strike water to **47.9C**
- Add grains
- Keep mash **0 min** at **44C**
- Keep mash **40 min** at **62C**
- Keep mash **50 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **-11.1 liter(s)** of **76C** water

## Fermentables

| Type  | Name              | Amount        | Yield | EBC |
|-------|-------------------|---------------|-------|-----|
| Grain | Strzegom Pale Ale | 5 kg (92.6%)  | 79 %  | 6   |
| Grain | Carared           | 0.4 kg (7.4%) | 75 %  | 39  |

## Hops

| Use for | Name       | Amount | Time   | Alpha acid |
|---------|------------|--------|--------|------------|
| Boil    | Challenger | 30 g   | 60 min | 8.2 %      |
| Boil    | Challenger | 30 g   | 30 min | 8.2 %      |
| Boil    | Challenger | 20 g   | 15 min | 8.2 %      |
| Boil    | Fuggles    | 15 g   | 15 min | 5 %        |
| Boil    | Fuggles    | 15 g   | 5 min  | 5 %        |
| Boil    | Challenger | 20 g   | 0 min  | 8.2 %      |

## Yeasts

| Name         | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safbrew S-33 | Ale  | Dry  | 11.5 g | Safbrew    |

## Extras

Recipe has been printed via **BREWNESS.com** - a complex online solution for homebrewers to track brewing process easily.

| Type   | Name           | Amount | Use for | Time   |
|--------|----------------|--------|---------|--------|
| Fining | mech irlandzki | 5 g    | Boil    | 15 min |