

# Russian Yakuza Entertainment

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- Gravity **14.5 BLG**
- ABV ---
- IBU **68**
- SRM **7**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **30.4 liter(s)**

## Mash information

- Mash efficiency **72 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **16.3 liter(s)**
- Total mash volume **22.8 liter(s)**

## Steps

- Temp **67 C**, Time **60 min**

## Mash step by step

- Heat up **16.3 liter(s)** of strike water to **76.4C**
- Add grains
- Keep mash **60 min** at **67C**
- Sparge using **20.6 liter(s)** of **76C** water or to achieve **30.4 liter(s)** of wort

## Fermentables

| Type  | Name               | Amount        | Yield | EBC |
|-------|--------------------|---------------|-------|-----|
| Grain | Pilzneński         | 4 kg (61.5%)  | 81 %  | 4   |
| Grain | Żytni              | 2 kg (30.8%)  | 85 %  | 8   |
| Grain | Strzegom Karmel 30 | 0.5 kg (7.7%) | 75 %  | 30  |

## Hops

| Use for    | Name       | Amount | Time    | Alpha acid |
|------------|------------|--------|---------|------------|
| First Wort | citra      | 25 g   | 120 min | 13.5 %     |
| First Wort | amarillo   | 10 g   | 120 min | 8.9 %      |
| Boil       | Amarillo   | 15 g   | 15 min  | 9.2 %      |
| Boil       | Amarillo   | 20 g   | 15 min  | 8.9 %      |
| Boil       | Cascade    | 17 g   | 10 min  | 6.7 %      |
| Boil       | Centennial | 20 g   | 10 min  | 10.5 %     |